

Course Descriptions

Course Subject Key

ACCT	Accounting, Department of Accounting	LATN	Latin, Department of Modern Languages, Literatures, and Cultural Studies
ACM	Academy of Contemporary Music	LEAD	Leadership
AESS	Adult Education and Safety Sciences, Department of Adult Education and Safety Sciences	LS	Legal Studies, Department of Finance
ART	Arts, Department of Art	MATH	Math, Department of Mathematics and Statistics
BADM	Business Administration, Department of Management	MCOM	Mass Communication, Department of Mass Communication
BCOM	Business Communication, Department of Marketing	MGMT	Management, Department of Management
BIO	Biology, Department of Biology	MLSC	Military Science, Department of Military Science
CEPS	College of Education and Professional Studies	MPER	Music Performance, School of Music
CHEM	Chemistry, Department of Chemistry	MRKT	Marketing, Department of Marketing
CHIN	Chinese, Department of Modern Languages, Literatures, and Cultural Studies	MUED	Music Education, School of Music
CJ	Criminal Justice, School of Criminal Justice	MUS	Music, School of Music
CMSC	Computer Science, Department of Computer Science	NTRN	Nutrition, Department of Human Environmental Sciences
CSDY	Creative Studies, Department of English	NURS	Nursing, Department of Nursing
CTWD	Career, Technical, and Workforce Development, Department of Adult Education and Safety Sciences	OCTE	Occupational Technology Education, Department of Adult Education and Safety Sciences
DANC	Dance, Department of Dance	ORGL	Organizational Leadership, Department of Adult Education and Safety Sciences
DES	Design, Department of Design	PHED	Physical Education, Department of Kinesiology and Health Studies
ECED	Early Childhood Education, Department of Curriculum and Instruction	PHIL	Philosophy, Department of Humanities and Philosophy
ECON	Economics, Department of Economics	PHY	Physics, Department of Engineering and Physics
ELED	Elementary Education, Department of Curriculum and Instruction	POL	Political Science, Department of Political Science
ENG	English, Department of English	PSY	Psychology, Department of Psychology
ENGR	Engineering, Department of Engineering and Physics	PTE	Professional Teacher Education, Department of Educational Services, Foundations and Research
ENTR	Entrepreneurship, Department of Management	READ	Reading, Donna Nigh Department of Advanced Professional and Special Services
FACS	Family and Consumer Science Education, Department of Adult Education and Safety Sciences	REC	Recreation, Department of Kinesiology and Health Studies
FIN	Finance, Department of Finance	SAS	Substance Abuse Studies, Department of Sociology, Gerontology, and Substance Abuse Studies
FLGN	Foreign Languages, Department of Modern Languages, Literatures, and Cultural Studies	SE	Software Engineering, Department of Computer Science
FMCD	Family and Child Development, Department of Human Environmental Sciences	SFTY	Safety, Department of Adult Education and Safety Sciences
FMKT	Fashion Marketing, Department of Human Environmental Sciences	SLP	Speech/Language Pathology, Donna Nigh Department of Advanced Professional and Special Services
FNRL	Funeral Service, Department of Funeral Service	SNSK	Sanskrit, Department of Modern Languages, Literatures, and Cultural Studies
FRCH	French, Department of Modern Languages, Literatures, and Cultural Studies	SOC	Sociology, Department of Sociology, Gerontology, and Substance Abuse Studies
FRSC	Forensic Science, Forensic Science Institute	SOST	Social Studies, Department of History and Geography
GEO	Geography, Department of History and Geography	SPAN	Spanish, Department of Modern Languages, Literatures, and Cultural Studies
GERM	German, Department of Modern Languages, Literatures, and Cultural Studies	SPED	Special Education, Donna Nigh Department of Advanced Professional and Special Services
GRK	Greek, Department of Modern Languages, Literatures, and Cultural Studies	STAT	Statistics, Department of Mathematics and Statistics
HIST	History, Department of History and Geography	TESL	Teaching English as a Second Language, Department of Curriculum and Instruction
HLTH	Health, Department of Kinesiology and Health Studies	THRT	Theatre Arts, Department of Theatre Arts
HUM	Humanities, Department of Humanities and Philosophy	UNIV	University Courses
IB	International Business, Department of Economics		
IME	Instructional Media, Donna Nigh Department of Advanced Professional and Special Services		
ISOM	Information Systems and Operations Management, Department of Information Systems and Operations Management		
JAPN	Japanese, Department of Modern Languages, Literatures, and Cultural Studies		
KINS	Kinesiology, Department of Kinesiology and Health Studies		

ACCOUNTING (ACCT)
Department of Accounting

ACCT 2000 - Topics In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 2113 - Accounting I

An introductory course in analyzing, processing, and using financial data of business entities.

ACCT 2133 - Accounting II

A continuation of ACCT 2113 with increased emphasis upon the interpretation and use of accounting data by internal and external users. Prerequisite(s): ACCT 2113.

ACCT 2223 - Survey of Accounting

This course provides, in a one-semester format, a survey of accounting concepts and procedures that will enable students to be informed users of financial information in a business setting. Students required to take both ACCT 2113 and ACCT 2133 may not take this course. Prerequisite(s): Business, Business Education, and Computer Science-Info Science majors may not enroll in this course. Sophomore standing or above required.

ACCT 3000 - Workshop In Accounting

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ACCT 3113 - Managerial Accounting

Managerial Accounting is an undergraduate accounting course designed for the non-accounting major emphasizing the analysis and interpretation of accounting data for management decision-making purposes. Areas of content include: financial statement interpretation, cost control, break-even analysis, budgeting, and capital expenditures. Credit may not be earned in both ACCT 3113 and ACCT 3413. Prerequisite(s): ACCT 2113, 2133.

ACCT 3213 - Intermediate Accounting I

This course provides an intensive review of the accounting cycle and a detailed study of financial accounting theory relating to assets and ratio analysis. Prerequisite(s): ACCT 2113, 2133 with a minimum of "C" grade in each and MATH 1453.

ACCT 3233 - Intermediate Accounting II

This course provides a study of liabilities and stockholders' equity, the statement of cash flows, and special issues. Prerequisite(s): ACCT 3213 with a grade of "B" or above.

ACCT 3333 - Income Tax Accounting

This course requires students to study the federal tax law as it pertains to individuals, with an emphasis on application. Prerequisite(s): ACCT 3213 with a grade of "B" or above.

ACCT 3413 - Cost Accounting

Elementary principles of cost accounting including internal records of manufacturing business, process, and job order cost accounting. Credit may not be earned in both ACCT 3113 and 3413. Prerequisite(s): ACCT 2133, MATH 1453.

ACCT 3423 - Accounting Uses/Microcomputer

This course is designed to provide students with hands-on experience with personal computers and to provide students with practical experience in solving accounting problems with electronic spreadsheets, data management software, and word processing software. Prerequisite(s): ACCT 3213, 3413, and typing skills.

ACCT 3433 - Accounting Information Systems

Examines the relationships and distinctions between accounting information systems (AIS) and the total management information system, with major emphasis on computerized AIS. Explores selected AIS application subsystems. Prerequisite(s): ACCT 2133.

ACCT 3990 - Advanced Topics In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 4013 - Oil And Gas Accounting

Designed to introduce the student to the principles and procedures of oil and gas accounting with an introduction and overview of income tax problems related to the industry. Prerequisite(s): ACCT 3333, 3213, 3233.

ACCT 4113 - Accounting Ethics & Professionalism

This course provides an overview of basic ethical theories and applies these theories to personal, business, and accounting ethical dilemmas. The course presents dilemmas that challenge the students to consider their personal and professional ethics. These dilemmas will help students understand how to act in a professional manner as guided by their personal ethical values and the Professional Code of Conduct. Prerequisite(s): 15 hours of accounting including ACCT 3233 and senior standing. Enrollment open to Accounting majors only.

ACCT 4213 - Advanced Income Tax Accounting

The income tax course covers matters dealing with Section C corporations, Sub-Chapter S corporations, partnerships and property transactions including depreciation recapture. Prerequisite(s): ACCT 3213, 3333.

ACCT 4243 - Advanced Cost Accounting

Advanced principles of cost accounting, problems dealing with capital budgeting, standard costs, budgets, and cost analysis. Prerequisite(s): ACCT 3413.

ACCT 4283 - Advanced Accounting

Includes the following topics: accounting for partnerships, recording foreign currency transactions, translating foreign currency statements, interim reporting, segment reporting, accounting for troubled debt restructuring, accounting for bankruptcies and liquidation, accounting for leases and pensions, and reporting for estates and trusts. Prerequisite(s): ACCT 3233.

ACCT 4313 - Governmental/Nonprofit Accounting

This course provides a study of fund accounting in relation to governmental entities and nonprofit organizations including hospitals and educational institutions. Prerequisite(s): ACCT 3233.

ACCT 4323 - Consolidated Statements

A study of the techniques of preparing consolidated balance sheets and income statements of parent companies and subsidiaries. Prerequisite(s): ACCT 3233.

ACCT 4363 - Auditing

An introduction to the auditing process and the public accounting profession. Emphasizes generally accepted auditing standards; selected techniques for audit decisions; audit objectives and how they are met through evidence accumulation and evaluation; and auditor's reports. Prerequisite(s): 18 hours of accounting including ACCT 3213, 3233.

ACCT 4373 - Internal Auditing

A comprehensive study of internal auditing, covering the code of ethics, standards, and the major components of internal auditing. Prerequisite(s): ACCT 4363.

ACCT 4383 - Fraud Auditing

A comprehensive study of fraud auditing including specific methods of fraud detection and the related investigative techniques. Prerequisite(s): ACCT 4363.

ACCT 4411 - CPA Review - Audit

This course is an intensive review of auditing concepts and professional standards and prepares students to pass the Auditing section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

ACCT 4421 - CPA Review - Business and Economic Concepts

This one-hour course is an intensive review of business, economic, and accounting concepts and prepares students to pass the Business and Economic Concepts section of the Certified Public Accountant examination. This course will be graded as Pass/Fail. Prerequisite(s): 27 hours of upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

ACCT 4432 - CPA Review-Regulation

This course is an intensive review of income tax and business law rules and regulations and prepares students to pass the Regulations section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

ACCT 4442 - CPA Review-Financial Accounting and Reporting

This course is an intensive review of financial accounting concepts and rules and prepares students to pass the Financial Accounting and Reporting section of the Certified Public Accountant examination. Pass/Fail grade will be given. Prerequisite(s): 27 hours upper division accounting courses. Enrollment open to Accounting majors only with senior standing.

ACCT 4900 - Practicum In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 4910 - Seminar In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 4920 - Workshop In Accounting

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ACCT 4930 - Individual Study In Accounting

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ACCT 4940 - Field Study in Accounting

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ACCT 4950 - Internship

Credit may vary from 1 to 8 hrs.

**ACADEMY OF CONTEMPORARY MUSIC (ACM)
Academy of Contemporary Music**

ACM 1112 - Repertoire Development I

This course provides students with the opportunity to learn a variety of repertoire in a rehearsal environment. Different charting, arranging, and performing techniques will be explored in order to prepare rehearsals and performances. Prerequisite(s): Concurrent enrollment in ACM 1122. Enrollment open to Contemporary Music Performance majors only.

ACM 1122 - Live Performance I

This course is the first course of four that prepares students for professional performance situations through practical rehearsal in a profes-

sional environment with development feedback from industry-based professionals. Prerequisite(s): Concurrent enrollment in ACM 1112 is required. Enrollment open to Contemporary Music Performance majors only.

ACM 1132 - Music Culture

Through analysis of different social, cultural, historical, and economic and political musical influences, students will develop the ability to recognize, discuss and analyze different musical genres through the decades.

ACM 1142 - Music Fundamentals

A beginning course in the fundamentals of music. This course consists of a study of rhythm, music notation, and musical terminology, including learning the staff, notes, intervals, scales, modes, chords, keys and signatures. It also develops a basic understanding of music notation and basic structures. This course will also introduce notation devices of popular and jazz music including chord symbols and lead sheets.

ACM 1152 - Aural Skills

This is the second course in the theory sequence at ACM. Students will develop their sense of aural perception through practical and theoretical exercises. This course will emphasize strategies for accurate and expressive reading, improvising, singing, and dictation using elementary rhythms and genre-appropriate pitch materials. Prerequisite(s): ACM 1142.

ACM 1162 - Repertoire Development II

This course gives students the opportunity to develop more accurate and artistic performance techniques while expanding on their performance repertoire. Prerequisite(s): ACM 1112. Concurrent enrollment in ACM 1352.

ACM 1171 - Applied Instruction I

Applied Instruction I provides the student with college entry level study in the major applied area. Lesson content will include but not be limited to such factors as technique, physiological concerns, and musical interpretation. Instructional materials will include materials such as exercises, and etude literature, along with solo and collaborative repertoire. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Prerequisite(s): Enrollment open to Contemporary Music Performance majors only.

ACM 1213 - Intro to the Music Industry

This course will give students the opportunity to examine various professional areas of the music industry, including the study of marketing tools, contractual issues, arts management, and career opportunities.

ACM 1222 - Beginning Keyboard Skills

This course will give students the opportunity to develop musical skills and knowledge in the use of keyboards at an introductory level in a variety of applications.

ACM 1232 - Composing with Technology

This course will allow students to explore different areas of composition as they relate to various aspects of technology in the music production field.

ACM 1243 - Sequencing and Software Techniques

This course will allow students to learn how to set up and operate MIDI computer systems. Students will apply sequencing software for creating music and learn to edit, store and retrieve music.

ACM 1252 - Studio Recording I

This course will prepare students for a studio recording session and the variety of set-up procedures required to operate in a commercial studio. Prerequisite(s): Enrollment open to Contemporary Music Production majors only.

ACM 1272 - Sonic Fundamentals

This course is an introduction to the physics of sound, digital audio theory and studio electronics. Students will acquire a basic knowledge of sound, acoustics, perception, basic circuits and the science behind the equipment used in audio production. Prerequisite(s): Enrollment open to Contemporary Music Production majors only.

ACM 1322 - Stylistic Awareness

This course will give students the opportunity to study various musical components of a wide range of styles to allow the student to develop the ability to recreate and reinterpret. Prerequisite(s): Enrollment open to ACM majors only.

ACM 1332 - Technical Development I

This course provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician.

ACM 1342 - Improvisation Techniques

This course gives students the opportunity to develop a more advanced application of industry technical skills to become a successful working musician.

ACM 1352 - Live Performance II

This course is the second course of four that prepares students for professional performance situations through practical rehearsal in a professional environment with development feedback from industry-based professionals. Prerequisite(s): ACM 1122 and concurrent enrollment in ACM 1162.

ACM 1363 - Introduction to Artist Development

This is an introductory course focusing on artist development concepts and activities as it relates to the contemporary music industry. Concepts and techniques will be presented and discussed as it relates to the discovery and development of new talent in preparation for a professional contemporary music industry career. Prerequisite(s): Enrollment open to Contemporary Music Business majors only.

ACM 1412 - Music and Media

This course gives students the opportunity to discover how music is used in the world of multimedia. Students will have hands-on experience in creating a multimedia portfolio using a variety of industry specific software packages.

ACM 1422 - The Freelance World

This course gives students the opportunity to examine the financial and contractual issues of self-employment and to develop an awareness of what it means to work in various aspects of the music industry market.

ACM 1432 - Studio Recording II

This course gives students the opportunity to learn the practical skills involved in producing a multi-track recording. Students will also apply appropriate skills for mix-down and editing, leading to the finished product. Prerequisite(s): ACM 1252. Enrollment open to Contemporary Music Production majors only.

ACM 1442 - Production Techniques

This course will allow students to be equipped with the skills needed for the production of live performances in a controlled studio environment. Students are given the opportunity to develop the critical skills and knowledge necessary to analyze and reproduce aspects of contemporary music performance and recording.

ACM 1453 - Digital Audio Techniques

This course gives students the opportunity to examine all issues relating to Digital Audio and its use in the music production industry. Students will also focus on the fundamentals of using modern software and hardware to make music.

ACM 1463 - Introduction to New Media and Music

This is an introductory course focusing on the digital aspects of the music industry. The course will focus on the methodology and handling of digital media in the music industry and the concepts surrounding the marketing, distribution, and compensation relating to new media. Prerequisite(s): ACM 1212. Enrollment open to ACM majors only.

ACM 1511 - Live Sound Fundamentals

This course is an introduction to live sound. Students will learn to set up small sound systems and practice mixing techniques used in live music venues. This course will examine trouble shooting techniques, microphone placement, speaker placement and equipment used in live sound reinforcement. Prerequisite(s): Enrollment open to Contemporary Music Production and Contemporary Music Performance majors only.

ACM 1522 - DAW I

This course is an introduction to digital audio workstations (DAW) and how they are used in the recording studio. Students will examine setting up recording sessions in the ProTools environment as well as editing and audio processing. Prerequisite(s): Enrollment open to Contemporary Music Production majors only.

ACM 1622 - DAW II

This course is a continuation of DAW I. DAW II provides a look at how digital audio workstations are used in the recording studio. Students will examine editing, midi, plus-ins and software instruments within the Pro-Tools environment. Prerequisite(s): ACM 1522. Enrollment open to Contemporary Music Production majors only.

ACM 1632 - Technical Development II

This course, a continuation of Technical Development I, provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a professional musician. Prerequisite(s): ACM 1332.

ACM 2000 - Topics in ACM

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ACM 2012 - Songwriting I

This course will give students the opportunity to begin to develop their compositional skills through the practical study of various industry techniques and stylistics. Prerequisite(s): Enrollment open to Contemporary Music Production majors only.

ACM 2032 - Composition & Arranging I

This course will cover composing, arranging and production of contemporary music. Students will compose and arrange for rhythm sections, voice, strings and brass. Students will study processes involved in successfully harmonizing melodies and chord progressions. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2112 - Technical Development III

This course provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician. As a continuation of the first year's study in technical development, students will obtain greater facility and a deeper understanding of their instrument. Prerequisite(s): ACM 1632.

ACM 2122 - Repertoire Development III

This course will continue with the analysis, discussion, and reproduction of various contemporary musical repertoires. Students will analyze the nuance of styles, sounds and techniques used in the production of the musical works and how to recreate them in live performances. Prerequisite(s): ACM 1162. Concurrent enrollment in ACM 2142.

ACM 2132 - Session Styles I

This course utilizes the technical skills developed in other courses giving students the benefit of studying popular repertoire with specific

reference to working in a studio environment. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2142 - Live Performance III

This course continues with the repertoire and allows students to bring the skills learned throughout the curriculum and apply those skills in a live band or audition situation. Prerequisite(s): ACM 1352 and concurrent enrollment in ACM 2122. Enrollment open to Contemporary Music Performance majors only.

ACM 2163 - Music Business Fundamentals

Students will begin to discover how business and marketing skills can enable musicians to realize the commercial potential of the industry. This beginning course gives an overview of the music industry and the competitive market.

ACM 2171 - Applied Instruction II

Applied Instruction II builds upon the foundational study received in ACM 1711, developing more advanced levels of technique and interpretation. Study materials will typically confront the student with and require the development of independent evaluative and interpretative skills. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 1171. Enrollment open to Contemporary Music Performance majors only.

ACM 2212 - Studio Recording III

This course will cover the beginning skills and knowledge required to operate in a professional studio environment. This course will introduce the student to microphone techniques, the recording of various instruments, basic studio acoustics and monitoring, and basic cabling. Prerequisite(s): ACM 1432. Enrollment open to Contemporary Music Production majors only.

ACM 2222 - Music IT I

This course will cover the beginning aspects of music production, including areas of software/hardware, MIDI, keyboard skills, sequencing, hard disk recording, sound editing and score writing. This beginning course gives the opportunity for beginning development of skills gained in other areas of the course.

ACM 2232 - Post Production in Technology

This course introduces students to the basic concepts and issues involved in combining sound with image, whether in films, commercials or TV programs. The content of the course will be examined from both a technical and aesthetic standpoint as well as provide students with the historical overview of its development from the early 1920s to its contemporary usage. Students will have the opportunity to gain practical experience in some of the more common sound-image techniques.

ACM 2242 - Theory & Applied Harmony

This course gives students a practical approach to the delivery of music theory. Students will study the structure of music and how to apply it to practical situations.

ACM 2253 - Introduction to Concert & Tour Management

This is an introductory course focusing on the management of live performances. The course will focus on the logistics, finances, marketing, and operations aspects of both individual concerts and tours at a basic level. Prerequisite(s): ACM 1212 or ACM 1213. Enrollment open to Contemporary Music Business majors only.

ACM 2263 - Music Industry Marketing

This course is designed to give an introductory overview of the marketing, merchandising, and retail aspects of selling contemporary music, both historically and with a view toward the future. Prerequisite(s): ACM 1213. Enrollment open to ACM majors only.

ACM 2312 - Sight Reading & Aural Perception I

This course focuses on the development of music reading and aural perception in the context of recording/live sessions at the beginning level. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2322 - Repertoire Development IV

This course will continue with the analysis, discussion, and reproduction of various contemporary musical repertoires. This will be the final course in the series where students will analyze the nuance of styles, sounds and techniques used in the production of the musical works and how to recreate them in live performances. Prerequisite(s): ACM 2122. Concurrent enrollment in ACM 2342.

ACM 2332 - Performance Production

This course complements Business Studies while focusing on the development and maintenance of a career in music. Students will study the logistics of planning, promoting, and performing live shows, session recordings, and demo creation. Prerequisite(s): Enrollment open to ACM majors only.

ACM 2342 - Live Performance IV

This course allows students to bring the advanced skills learned throughout the curriculum and apply those skills in a transformative performance session. Prerequisite(s): ACM 2142 and concurrent enrollment in ACM 2322. Enrollment open to Contemporary Music Performance majors only.

ACM 2352 - Business Studies II

This course presents the advanced information for students to apply the business and marketing skills that musicians must have in the industry in order to compete successfully.

ACM 2383 - Social Media Revolution

Social Media Revolution provides an overview of the way businesses use social media to engage customers and the ability of customers to affect the opinions of their peers. Students will give special consideration to creating communities that shape the perception of brands in the contemporary music business. Prerequisite(s): ACM 1213 and ACM 1363. Enrollment open to Contemporary Music Business majors only.

ACM 2422 - Cultural Studies

This course introduces the students to a broad understanding of the ways in which the contemporary music industry has developed over the last century. The course covers the development of the industry from a cultural perspective, exploring topics with a view to understanding the sociological, economic, political, and technical factors involved.

ACM 2432 - Composition & Arranging II

This course continues with advanced methods of composing, arranging and producing music. Students will examine a wide range of genres, including hit records, film/TV music, game music and radio jingles. Prerequisite(s): ACM 2032. Enrollment open to ACM majors only.

ACM 2442 - Music IT II

This course will cover the advanced applications of music production, including areas in advanced software/hardware, MIDI, keyboard skills, sequencing, hard disk recording, sound editing and score writing. This advanced course continues the development of skills gained in MIT I.

ACM 2453 - Music Business Project I

This course will focus on practical applications of concepts and methodologies of the music industry based on previous coursework. Such practical applications will include: marketing, merchandising, touring, digital media sales, and artist development. Prerequisite(s): ACM 1213 and ACM 2543. Enrollment open to ACM majors only.

ACM 2463 - Music Business Project II

This course will focus on advanced applications of complex operational aspects of the music industry. Advanced applications will include:

marketing concepts, merchandising tools, touring guidelines, digital media sales, artist development, artist management, and record label development and operations. Prerequisite(s): ACM 2453. Enrollment open to ACM majors only.

ACM 2512 - Songwriting II

This course will give students the opportunity to develop their compositional and lyric-writing skills through the practical study of various industry techniques and stylistics. Students will explore various technologies for songwriting production and demo creation. Prerequisite(s): ACM 2012.

ACM 2532 - Session Styles II

This course utilizes the technical skills developed in other courses giving students the benefit of studying popular repertoire with specific reference to working in a studio environment. Prerequisite(s): ACM 2132.

ACM 2543 - Artist Management

This course will focus on the broad and detailed aspects of contemporary music artist management. Focus will include: management roles, finances, marketing, and daily operations as they relate to managing the careers of performers, producers, composers, and other contemporary music artists. Prerequisite(s): ACM 1212 or ACM 1213. Enrollment open to Contemporary Music Business majors only.

ACM 2612 - Technical Development IV

This course, a continuation of Technical Development III, provides students with the opportunity to develop the necessary technical skills, on their individual instruments, required to become a working musician. This course will introduce and focus on specific stylistic techniques and improvisation. Prerequisite(s): ACM 2112

ACM 2623 - Record Label Operations & Management

This course will be focused on the broad and detailed aspects of record label development and operations. Focuses will include both major labels and independents and will cover both the history of contemporary music labels and current and future trends and the operational aspects involved in each. Prerequisite(s): ACM 1212 or ACM 1213. Enrollment open to ACM majors only.

ACM 2642 - Production for Performers

Production for Performers will introduce ACM performance students to the necessary production concepts to efficiently create in a studio environment, produce song demos, and enhance live performances. Prerequisite(s): ACM 1412 and sophomore standing or above. Enrollment open to Contemporary Music Performance majors only.

ACM 2712 - Studio Recording IV

This course will cover the advanced skills and knowledge required to operate in a professional studio environment. This course will also integrate mixing desks, multi-track recorders, hard disk recorders, monitoring systems, synchronization, basic acoustics, live recording, synthesis, samplers, MIDI controllers, Outboard FX and mastering. Prerequisite(s): ACM 2212.

ACM 2723 - Music Marketing, Merchandising & Retail II

This course is designed to focus on the specific operational needs and requirements of the marketing, merchandising, and retail sales of contemporary music based on current and future trends. Prerequisite(s): ACM 2263. Enrollment open to ACM majors only.

ACM 2742 - Composition for Songwriters

This course will give students the opportunity to further utilize and analyze compositional and lyric-writing skills developed in Songwriting I and Songwriting II. Students will explore form, harmonic structure, and extended compositional techniques. Prerequisite(s): ACM 2512. Enrollment open to Contemporary Music Performance majors only.

ACM 2753 - Applied New Media

Applied New Media provides students with the opportunity to discover how music is used in the world of multimedia. Students will have hands-on experience in creating a multimedia portfolio using a variety of industry specific software packages. Prerequisite(s): ACM 1213 and ACM 1363. Enrollment open to Contemporary Music Business majors only.

ACM 3123 - Charting, Transcription, Arranging

Through the analysis of existing contemporary music, students will study various charting methods, transcription pieces, and contemporary arrangement techniques. Prerequisite(s): ACM 2342. Enrollment open to Technology Application Studies majors only.

ACM 3133 - Music Business and Entrepreneurship

This course provides students with an in-depth look into the contemporary music business and the entrepreneurial opportunities that exist within the industry.

ACM 3143 - Music Marketing and Public Relations

This course provides students with an understanding of marketing and public relations in the contemporary music business. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 3213 - Freelance World, Perform

This is an advanced course in the financial, contractual, promotional, and marketing related aspects of self-employment in the contemporary music industry, with focus on contemporary music performers. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 3221 - Performance Showcase I

This course provides instrumentalists/vocalists with an opportunity to participate in professional level performances focusing on complex contemporary music repertoire. Areas of concentration include: bass, guitar, keyboard, vocals, or drum set. Prerequisite(s): ACM 2171 and concurrent enrollment in ACM 3311. Enrollment open to Technology Application Studies majors only.

ACM 3233 - Songwriting and Demo Building

This course is an advanced examination and demonstration of songwriting, how it relates to demo creation, and how to create a marketable demo of music. Prerequisite(s): ACM 2012 or 2512 and junior or senior standing.

ACM 3273 - Survey of Music Business Nonfiction

In this course, students will examine the successes and failures of key players in the American music business. This course revolves around selected music business nonfiction texts, including *Fortune's Fool* by Fred Goodman; *The Big Payback: The History of the Business of Hip-Hop* by Dan Charnas; and *The Mansion on the Hill: Dylan, Young, Geffen, Springsteen, and the Head-On Collision of Rock and Commerce* by Fred Goodman. In the end, students will determine whether or not the music industry will be forced to evolve its business model beyond recognition or continue engaging in traditional business. Prerequisite(s): ACM 1212 or ACM 1213 and junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 3311 - Applied Instruction III

This course continues to build on the technical and interpretative skills of ACM 2171, particularly continuing the development of individual self-evaluation and assessment in these areas but now also beginning to apply these skills to the formulation of pedagogical method. The student will continue to explore more advanced levels of the appropriate study and performance repertoire. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 2171.

ACM 3333 - Operations Management, Logistics, Planning

This course provides students with a comprehensive understanding of the daily tasks necessary to profit in the contemporary music industry. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 3343 - The Physics of Sound

This course is a comprehensive study of sound, including perception, acoustics, sound waves, and speed and absorption rates in order to manage sound in a studio or live environment. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3353 - Advanced Pro Tools I

This course is an advanced study of Pro Tools with a focus on utilization for sound design projects and advanced audio recording and mixing. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3373 - Music Industry Staffing

This course provides an overview of the various characteristics that are essential for employees in the contemporary music industry. These characteristics will be shown in case studies of forward-thinking music companies—record labels, music publishers, and artist managers. Prerequisite(s): ACM 1363 and junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 3413 - Technology and Equipment in Audio Production

This course is a comprehensive study of studio and live sound equipment, including functionality, maintenance, and use in contemporary music. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3423 - Instruments in Contemporary Music

This course is a comprehensive study of all instruments used in modern contemporary music, including functionality, sound and history. Prerequisite(s): ACM 2432 and junior or senior standing.

ACM 3433 - Mix/Manage Live Sound

This course is a comprehensive study of how to mix and manage live sound in the context of genre, venue, and equipment in the contemporary music industry. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3443 - Survey of Audio Recording

This course is a comprehensive study of how to record and mix audio by contemporary music genre, surveyed in a historical context. Prerequisite(s): ACM 3353 and junior or senior standing.

ACM 3473 - ACM Records I

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. Prerequisite(s): ACM 2163 or 4023.

ACM 3513 - Sound Design

This course presents a comprehensive overview of how video and audio sync together and the concepts necessary to master in the field of sound design. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3523 - Advanced Tracking, Editing & Mixing

This course provides students with advanced concepts in tracking, editing, and mixing as it applies to the field of sound design. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3533 - Advanced Sound Capture

This course provides students with a comprehensive understanding of how sound capturing is achieved in a controlled studio environment and outside of the studio. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3553 - Operations Management

This course provides future entrepreneurs with a look into the dynamic global business market. Students will explore important business topics including operations management, and the relationship between risk taking and profit making. Prerequisite(s): ACM 2162 and junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 3613 - Songwriting in Collaborative Environment

This course focuses on songwriting as part of a collaborative team of one or more people. Prerequisite(s): ACM 2012 or 2512 or 2432 and junior or senior standing.

ACM 3623 - Technology & Equipment, Performance

This course is a comprehensive study of contemporary music instruments, public address, and amplification requirements including functionality, maintenance, and specification. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 3633 - Advanced Logic Pro I

This course is an advanced study in Logic Pro with a focus on utilization for sound design projects and advanced audio recording and mixing. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3643 - Freelance World Sound Design

This is an advanced course in the financial, contractual, promotional, and marketing related aspects of self-employment in the contemporary music industry. This course focuses on contemporary music sound design professionals. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 3703 - Applied Music Business

This course provides music business students with an in-depth look into the business lessons learned by successful entrepreneurs, and the role of passion and the pursuit of happiness in running a profitable business. Future music business entrepreneurs must be prepared to listen to the needs of customers and adapt accordingly. Prerequisite(s): ACM 2453 and junior or senior standing. Enrollment open to Technology Application Studies only.

ACM 3713 - Movie Music, 21st Century

This course will highlight the sound design aspects of significant films from the 20th century from a technical perspective. Prerequisite(s): ACM 3513 and junior or senior standing.

ACM 3723 - Music Business Project III

This course gives students the opportunity to apply their music business knowledge to a music business project consistent with their career goals. Prerequisite(s): Junior or senior standing.

ACM 3733 - Computer Music Technology & Archive

This course will focus on electronic audio sound creation for the electronic musician or producer. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 3743 - Music Publishing I

This course introduces students to the various roles of music publishing companies, including the administration of musical works, subpublishing, and synchronization licensing.

ACM 4013 - Creating Your Team

This course exposes students to the various support positions in the contemporary music industry, detailing their roles, and creating an effective team consistent with the student's career goals.

ACM 4023 - Record Label Operations

This course provides students with an in-depth study of how record labels operate and the revenue streams associated with signed artists. Prerequisite(s): ACM 3133 and junior or senior standing.

ACM 4113 - Contemporary Music Contracts

This course provides students with an in-depth look at contracts for goods and services within the contemporary music industry. Prerequisite(s): ACM 3133 and junior or senior standing.

ACM 4123 - Road, Stage, Production, Performance, Management

This course provides students with an in-depth study of road, stage, production, and performance management and associated logistics, finances, and legalities. Prerequisite(s): ACM 3133 and junior or senior standing.

ACM 4133 - Advanced Pro Tools II

This course is an advanced study of Pro Tools with a focus on synchronization, mixing, video import, and editing with Pro Tools/HD. Prerequisite(s): ACM 3353 and junior or senior standing.

ACM 4143 - Mixing for Sound Design

This course is a comprehensive study of advanced mixing in surround, 5.1, 7.1, and other television and film mix formats. Prerequisite(s): ACM 3353 and junior or senior standing.

ACM 4213 - Studio Design

This course will include a comprehensive understanding of recording studio design including acoustics, equipment and environment. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 4223 - Advanced Mixing and Mastering

This course is a comprehensive study of applied mixing and mastering techniques. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 4233 - Production Workshop

This course will include a comprehensive study of operating as a producer or an engineer recording tracks in a commercial studio. Prerequisite(s): ACM 3353 and junior or senior standing.

ACM 4253 - Applied Concert Promotion

Applied Concert Promotion and Talent Buying provides students with a functional knowledge of concert promotion and talent buying. Specific areas of focus include concert financial planning, event ticketing, venue operations, and ancillary considerations. Prerequisite(s): ACM 2253 and junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 4313 - Performance Music Business

This course teaches performance students advanced music business concepts as they apply to their own revenue generation and career goals. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 4333 - Orchestration Project

This course is designed to teach students to evaluate orchestration pieces and create orchestration projects to meet a particular specification. Prerequisite(s): ACM 2432 and junior or senior standing.

ACM 4343 - Creating Studio Libraries

This course will focus on how to design and create studio libraries to meet specific requirements for the industry. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 4353 - Digital Media

In this course, Digital Media: Digital Dimes and the Survival of the Creative Industries, students will identify and analyze the lure of free digital content, and its effect on the creative industries. Students will chart the media industry's struggles and contemplate its best response. This course also examines whether or not the vast sea of user-generated amateur content benefits society. Prerequisite(s): ACM 1212 or ACM 1213 with junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 4423 - Audio Post-Production for Film & TV

This course exposes students to the audio post-production activities associated with film and television projects. Prerequisite(s): ACM 2712 and junior or senior standing.

ACM 4433 - Touring and Show Design

This course will focus on all aspects of touring and show design for contemporary music performance. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 4443 - Film Scoring

This course exposes students to an advanced understanding of the concepts and methodologies related to film scoring. Prerequisite(s): ACM 2232 and junior or senior standing.

ACM 4473 - ACM Records II

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. This course is a continuation of ACM Records I. Prerequisite(s): ACM 3473.

ACM 4513 - Advanced Logic Pro II

This course is an advanced study of Logic Pro with a focus on use of time and pitch tools, varispeed, Es2, and modulation. Prerequisite(s): ACM 3633 and junior or senior standing.

ACM 4523 - Advance Music Business Studies

This course discusses advanced music business concepts with a particular focus on digital media and electronic music delivery. Prerequisite(s): ACM 2162 or ACM 2163 and junior or senior standing.

ACM 4533 - Media Techniques for Business

This course will include instruction in graphic, music video, and print media design as it applies to marketing and promotion in an art related environment.

ACM 4543 - Current Events in Creative Industries

This course will focus on current event analysis and speculation as it relates to the changing creative industries.

ACM 4553 - Key Events in the Music Industry

In this course, students will identify and analyze key current events responsible for shaping the music industry through the examination of retail statistics, news articles, and interviews with music industry leaders. Prerequisite(s): ACM 1363 and junior or senior standing. Enrollment open to Technology Application Studies majors.

ACM 4573 - ACM Records III

ACM Records is a student managed record label providing hands-on experience carrying out the various functions involved in the development, marketing, and release of recorded music products. Students will act as product managers, focusing on artist development, marketing and retail, radio promotion, and business affairs. Throughout the semester, students will meet during regularly scheduled class time to evaluate their progress, get new assignments, and consult with faculty. This course is a continuation of ACM Records II. Prerequisite(s): ACM 4473.

ACM 4603 - Music Supervision

This course provides students with a functional knowledge of music supervision. Music supervisors play an important role in film and television—selecting the perfect sounds to match video images; acting as a liaison between the production staff and the composer; and obtaining the necessary music licenses. Prerequisite(s): ACM 1213.

ACM 4621 - Applied Instruction IV

This course continues the more advanced study of the applied area initiated particularly in ACM 3311. The goal of the course is to provide the student with the necessary technical and analytical skills to operate at an entry level as an independent professional in the areas of performance and pedagogy. The student will be presented with intellectual, interpretative and technical demands that require more sophisticated and independent analysis and greater individual creativity. Study material will consist of technical and performance repertoire typical of a practicing professional. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Prerequisite(s): ACM 3311.

ACM 4633 - Synthesis Techniques

This course exposes students to an advanced understanding of the concepts and techniques related to audio synthesis and simulation. Prerequisite(s): ACM 2232 and junior or senior standing.

ACM 4643 - Music Copyright

Copyright law lies at the core of the creative industries. This course provides students with an overview of copyright law as it relates to the music industry. Specific areas of focus include categories of copyright, transferring copyright, traditional and digital formats, the DMCA (Digital Millennium Copyright Act), and international copyright law. Prerequisite(s): ACM 2623 and junior or senior standing. Enrollment open to Technology Application Studies majors only.

ACM 4653 - Legal Issues in the Music Industry

This course explores a number of important legal issues faced by music producers, songwriters, artists, and musicians. Specific areas of focus include music employment agreements and disagreements, neighboring rights of producers, and etiquette of internet entrepreneurship. Prerequisite(s): ACM 3743.

ACM 4743 - Music Publishing II

This course is a continuation of ACM 3743. It includes topics such as print licensing, marketing musical works, and miscellaneous music licensing issues. Prerequisite(s): ACM 3743.

ACM 4763 - Fair Use in Contemporary Music

In this course, students will identify and analyze the key issues involved with the doctrine of fair use as applied to the music business through the study of landmark court cases involving copyright law. Students will determine whether or not the doctrine of fair use in the current legal environment offers more or less certainty to artists than it did at its inception. Prerequisite(s): ACM 4523 or 4643 or 4653 and senior standing. Enrollment open to Technology Application Studies majors only.

ACM 4783 - Business Management for Artists

This course provides upper-division music business students with an in-depth look into selecting and setting up a business entity. Students will give special consideration to tax and business issues unique to creative artists, writers, musicians and other performers.

ACM 4842 - Performance Showcase II

This course will serve as a Senior capstone for B.A.T. Technology Application Studies majors. Students will utilize all skills developed in the program to produce, promote, and perform a professional level showcase in front of a jury panel. Areas of concentration include: bass, guitar, keyboard, vocals or drum set. Prerequisite(s): ACM 3221 and concurrent enrollment in ACM 4621.

ACM 4910 - Seminar in ACM

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ACM 4930 - Individual Study in ACM

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

ACM 4950 - Internship in ACM

Credit will vary from 1 to 8 hours.

ACM 4970 - Study Tour in ACM

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

**ADULT EDUCATION AND SAFETY SCIENCE (AESS)
Department of Adult Education & Safety Sciences**

AESS 2000 - Topics in AESS

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

AESS 3000 - Workshop in AESS

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

AESS 3990 - Advanced Topics in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4851 - Capstone in General Studies

This course is intended to help General Studies students synthesize and integrate their educational experience in order to help them achieve their goals after graduation. It will help students identify strengths that would appeal to an employer or a graduate school. Capstone students will identify significant transformative learning experiences that have occurred during their time at UCO. Students will connect relevant experience and academic learning. Prerequisite(s): Senior standing. Enrollment open to General Studies majors only.

AESS 4900 - Practicum in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4910 - Seminar in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4920 - Workshop in AESS

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

AESS 4930 - Individual Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4940 - Field Study in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4950 - Internship in AESS

Credit will vary from 1 to 8 hours.

AESS 4960 - Institute in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

AESS 4970 - Study Tour in AESS

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ART (ART)
Department of Art

ART 1013 - Introduction To Drawing/Non-Art Major

This course offers non-art majors an introduction to the elements and principles of design. Black and white drawing media are used.

ART 1023 - Beginning Drawing I

This course is an introduction to basic freehand drawing, exploration of a range of drawing methods, media, and concepts. Emphasis is placed on drawing from observation. This is part of a required foundation sequence that will prepare students for ART 2903. Prerequisite(s): Enrollment is open to freshmen and sophomore students only.

ART 1043 - Beginning Drawing II: Figure & Anatomy

This course is an introduction to the essentials of figure drawing, through observation, with emphasis upon anatomy, composition and investigation of media. Prerequisite(s): ART 1023 with minimum grade of "C". Enrollment open to freshmen and sophomore students only.

ART 1063 - 2-D Fundamentals

This course provides a study of the elements and principles of two-dimensional design, their relationship to pictorial composition, and their application to a variety of design problems. Through the use of both traditional and non-traditional media the students will explore aspects of line, shape, value, color, texture and the illusion of space and time.

ART 1073 - 3-D Fundamentals

This course provides a study of the elements and principles of three-dimensional design as they relate to composition and the activation of space. Students will explore space, line, form, light, color, texture, and time using both traditional and nontraditional materials and processes. Prerequisite(s): ART 1023, 1063 with minimum grade of "C". Enrollment is open to freshmen and sophomore students only.

ART 1083 - Color

In this course students apply color principles to a variety of design problems and develop confidence in working in both an expressive and a formal manner. Prerequisite(s): ART 1023, 1063 with minimum grade of "C". Enrollment is open to freshmen and sophomore students only.

ART 1153 - Global Art & Visual Culture I

This course surveys the art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands from the prehistoric era up to 1500 within the frameworks of philosophical, religious, cultural, economic, and political changes.

ART 1223 - Black & White Photography

This course will cover basic 35mm camera operations and darkroom processes. Students will learn film processing, printing methods, composition, and presentation.

ART 2000 - Topics In Art And Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ART 2012 - Introduction to Art Education

This course is an introduction to theory and practice in Art Education and overview of curriculum and instructional strategies. Course content includes theoretical foundations and history of the field of Art Education, research and practice in Art Education, and contexts for art teaching. Applications for technology in K-12 will also be discussed. Prerequisite(s): ART 1023, 1043, 1063, 1073, (1083 or concurrent enrollment) and 1153 with sophomore standing or above. Enrollment open to Art Education majors only.

ART 2103 - Drawing III: Contemporary Practices

This course will introduce new techniques and mediums as they relate to drawing. Students will focus on non-representational studies, large and small scale works, as well as continued investigation of represen-

tational techniques. Students will start to explore conceptual pathways in the making of artwork. Prerequisite(s): ART 2903 with a minimum grade of "C". Sophomore standing or above.

ART 2213 - Figure Drawing

Students will further develop drawing skills learned in Beginning Drawing II: Figure and Anatomy while focusing on the human figure. Utilizing traditional and non traditional modes of drawing student will investigate multiple ways of drawing the figure. Students will start to explore conceptual pathways in the making of artwork. Prerequisite(s): ART 1043 with a minimum grade of "C".

ART 2223 - Black & White Photography II

This course is second in a sequence for photo art students. This course will further develop skills in composition and technique, encourage individual expression and stimulate critical dialog in contemporary issues. Prerequisite(s): ART 1223 or MCOM 1123.

ART 2233 - Painting I: Observation & Techniques

This course is an introduction to painting based in observation. Students explore the characteristic properties and are introduced to traditional and contemporary techniques. Prerequisite(s): ART 2903 with minimum grade of "C" and sophomore standing or above.

ART 2303 - Art Appreciation

In this course an understanding of visual art is developed through this introduction to art principles, terminology, and periods of art history.

ART 2403 - Global Art & Visual Culture II

This course surveys art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands from 1500 up to the contemporary period within the framework of philosophical, religious, cultural, economic, and political changes.

ART 2633 - Beginning Sculpture

This course provides students with the practice of making dimensional forms through creative problem solving using additive and subtractive techniques of sculpture. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

ART 2703 - Ceramics I

This course offers an introductory study of a wide range of clay techniques, such as slab, coil, press-mold constructions, and modeling. This course replaces ART 3703. Prerequisite(s): ART 2903 or DES 3293 with minimum grade of "C". Sophomore standing or above.

ART 2803 - Ceramics II

In this course students learn beginning techniques in wheel-thrown forms, clay body preparation and formulation and beginning glaze firing techniques. Prerequisite(s): ART 2703, 2903 with minimum grade of "C". Sophomore standing or above.

ART 2903 - Foundation Seminar

This course is the culmination to the Foundation courses and is a research and development studio. Importance is placed on expansion of research methods through the use of a comprehensive sketchbook. Exploration of themes and interests are investigated bridging formal theory from foundations to visual resource building, preliminary drawings, materials focus, compositional studies, and presentation of ideas. Prerequisite(s): ART 1023, ART 1063, ART 1073, ART 1083, ART 1153, (ART 2403, ART 2103 or concurrent enrollment) with minimum grade of "C". Sophomore, junior or senior standing.

ART 3000 - Workshop In Art

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Sophomore, junior or senior standing.

ART 3013 - Career Options in Art & Art Education

This course is designed to prepare art education, studio art, and art history students to explore the professional art teaching careers in non-profit, commercial, private, and public sectors. 20 hours of field experience is required. Prerequisite(s): ART 1023, 1043, 1063, 1073 and 1153 with sophomore standing or above. Enrollment open to Studio Art, Art History and Art Education majors only.

ART 3023 - Ceramics: Basics & Beyond

This course is designed for the student with limited or no experience in ceramics. Students will be introduced to handbuilt objects in clay through various construction processes. Students will experience and be introduced to surface design and color with the use of low temperature slips, engobes, and glazes. Final projects will be fired in an oxidation kiln at low temperatures and/or the "Raku" firing process. Students will learn personal safety, proper use of raw materials, tools, and machinery in the ceramics studio. Prerequisite(s): Sophomore standing or above.

ART 3033 - Jewelry for Non-Majors

This course is designed for the non-major as an introduction to the metal arts through jewelry making. The student will learn basic skills in design, technique, and craftsmanship with the completion of several jewelry pieces and small metal objects. This course will include basic soldering, riveting, surface applications, metal forming, and enameling. Personal safety and proper use of tools and machinery related to jewelry making will be applied. Prerequisite(s): Sophomore standing or above.

ART 3113 - Introduction to Printmaking

This course will introduce basic techniques in intaglio, relief, and screen printing. Students will focus on technique as well as conceptual development. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

ART 3173 - Ceramics III

This course offers advanced study in clay formulation, glaze preparation and firing techniques as well as research of historical and contemporary ceramic forms. Prerequisite(s): ART 2703, 2803, 2903 with minimum grade of "C". Junior or senior standing.

ART 3223 - Black & White Photography III

This course is the third in a sequence for photo arts students. This course will further develop skills in composition, dark room techniques, and encourage individual expression. This course will give students the opportunity to work larger than 35mm format and will continue to stimulate critical dialog for contemporary issues. Students will also work in groups on same film assignments. This arrangement is achieved by rotating students in and out of the production process until a single print is completed by multiply technicians. Prior to this course, each student is responsible for their work from start to finish. Finally, a strong emphasis is given to criticizing and writing about photographs. Prerequisite(s): ART 2223 and junior or senior standing.

ART 3302 - Visual Arts For Elementary Teachers

Tools, media, and techniques for arts and crafts in the elementary classroom are utilized through practice of creative art experiences. Integration of the visual arts across the elementary curriculum is explored.

ART 3323 - Intaglio

This course will expand on intaglio processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings, critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and junior or senior standing.

ART 3333 - Relief Printmaking

This course will expand on relief processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings,

critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and sophomore standing or above.

ART 3343 - Screen Printing

This course will expand on screen printing processes learned in Introduction to Printmaking. Advanced techniques will be introduced. Readings, critique, and conceptual development are emphasized in this course. Prerequisite(s): ART 3113 with a minimum grade of "C" and junior or senior standing.

ART 3413 - Mixed Media I

This class will investigate the multifaceted process of mixing media in a two-dimensional format graduating to a three-dimensional format. The introduction of collected and altered images with the use of transfer methods will be combined with experimentation and mixing of techniques in printmaking, painting, and drawing on alternative surfaces. Prerequisite(s): ART 2903 or 2012 and junior standing or above. Enrollment open the Studio Art and Art Education majors only.

ART 3463 - Jewelry and Metalsmithing I

This beginning course will emphasize safety and basic fabricating techniques such as hollow construction, surface embellishments, basic metal forming techniques of sinking and forging, and stone setting. Traditional and contemporary approaches will be used to create handcrafted jewelry and precious or semi-precious metal objects with emphasis placed on conceptual development of design. Prerequisite(s): ART 2903 with a minimum grade of "C" and sophomore standing or above.

ART 3503 - Drawing IV: Special Topics

This course will investigate a specific topic throughout the semester. Students will make artwork in response to various conceptual frameworks while continuing to evolve individual technique and concepts. Readings, critique, and concept development are essential components to this course. Prerequisite(s): ART 2103, 2903 with a minimum grade of "C". Junior or senior standing.

ART 3513 - Contemporary Art and Visual Culture

This course surveys the contemporary art and visual culture of the Americas, Europe, Asia, Africa, and the Pacific Islands within the philosophical, religious, cultural, economic, and political frameworks.

ART 3533 - Architecture and Urban Space

This course examines the major architectural monuments and built environment throughout the world from the ancient period until the 21st century. The emphasis is given to architectural theories as well as economic, religious, political, environmental, and cultural factors that affect architectural production and the development of urban space worldwide. Prerequisite(s): Junior or senior standing.

ART 3543 - Art of the Americas

The course examines the painting, sculpture, architecture, decorative arts, and visual culture created in the Americas from the beginning up to the 21st century. Students study art and visual culture within the framework of the cultural, political, philosophical, economic, and scientific changes, including colonialism, post-colonialism, and the globalization processes, as well as race and gender concepts. Prerequisite(s): Junior or senior standing.

ART 3553 - Art of Asia

This course examines the distinctive, yet related, aesthetic traditions of India, China, Korea, and Japan. The course focuses on sculptures, paintings, architecture, and urban spaces within the social, cultural, and political frameworks. Prerequisite(s): Junior or senior standing.

ART 3563 - European Art

This course examines the painting, sculpture, architecture, decorative arts, visual culture, artists, and artistic movements in Europe from the Ancient Greek period up to the 21st century. This course studies art

and visual culture within the framework of Christianization, colonialism, post colonialism, industrialization, the break of the Communist bloc, the creation of the European Union, and the globalization process, as well as religion, race, and gender concepts. Prerequisite(s): Junior or senior standing.

ART 3573 - Islamic Art and Architecture

This course deals with concepts of the Islamic art and architecture from the seventh century until the modern period. Students discuss various models of the Islamic city and how its art and architecture developed in response to changing historical, economic, and cultural conditions. By critically reviewing the literature, students also identify different approaches to the study of Islamic art and architecture such as formalistic, historical, religious, idealistic, morphological, and sociological. Prerequisite(s): Junior or senior standing.

ART 3603 - Painting II: Surface & Techniques

Through this course the student will build on foundation painting techniques while addressing various surfaces and support structures using oil. Students will develop individual works based on preliminary painted sketches, visual research, material experimentation and observation. Prerequisite(s): ART 2233, 2903 with minimum grade of "C". Junior or senior standing.

ART 3623 - Painting II: Figurative Painting

Students will further develop their painting skills while focusing on the human figure as the constant subject. Historical methods and approaches will be addressed as well as issues revolving around the depiction of the figure in paint within the context of contemporary practices. Prerequisite(s): ART 2903, 2233 and sophomore standing or above. Enrollment open to Studio Art and Art Education majors only.

ART 3633 - Intermediate Sculpture

This course continues the investigation from Beginning Sculpture with the added application of selected experimental methods and materials in sculpture. Emphasis is placed on promoting a greater awareness of sculptural form and the development of ideas and aesthetic concepts. Prerequisite(s): ART 2903 and ART 2633 both with a minimum grade of "C" and junior or senior standing.

ART 3723 - Metalsmithing I

This course will explore metalworking techniques: sinking, raising, chasing, repousse, anticlastic, and synclastic. Personal expression will be encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903 and ART 3463 both with a minimum grade of "C" and junior or senior standing.

ART 3733 - History of American Studio Craft

History of American Studio Craft is a comprehensive study of the development of studio craft in America. This course will explore craft's relationship to the fine arts and design, foster a critical understanding of the field and craft's place in contemporary art and culture. Beginning with the emergence of studio craft in the late 19th century this course will follow the craft movement through to present times. Focus turns to the artists and their materials: clay, glass, metal, wood, and fiber and their roles in utility and aesthetics in industry and contemporary artist's studio practices. This course may include visits to galleries, museums, and artist studios or demonstrations in one or more media. Prerequisite(s): Junior standing or above.

ART 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903. Sophomore, junior or senior standing.

ART 4013 - Global Approach to Socialist Art and Architecture

Global Approach to Socialist Art and Architecture examines the global diversity and complexity of socialist art, whether it served to develop

social consciousness in the socialist state or in capitalist country. The course emphasizes the major political, economic, philosophical, and cultural changes in twentieth and twenty-first century history that triggered artists' interest in socialism and state sponsored art and visual culture. Finally, the course examines how socialist art has been appropriated in post-socialist societies, within the framework of the culture of consumption. Prerequisite(s): Junior or senior standing.

ART 4023 - Enameling

In this course students will learn to apply basic and advanced enameling techniques such as: cloisonne, champleve, and plique-a-jour to an exiting metals vocabulary. Prerequisite(s): ART 2903, 3463 with a minimum grade of "C" and junior or senior standing.

ART 4033 - Furniture As Art

This course integrates sculptural concepts with the design of functional furniture. Methods and materials used facilitate the harmonious balance between utility and art. Prerequisite(s): ART 2903, 3053 with a minimum grade of "C" and junior or senior standing.

ART 4053 - Native American Art

This course covers the evolution of Native American art from pre-history roots through contemporary expression. Prerequisite(s): Junior or senior standing.

ART 4083 - Photo Process Non-Silver

This course explores the methods of historical photographic printing through non-silver photographic methods. Some of the non-silver printing techniques explored are Cyanotype, Van Dyke, and Gum Bichromate. The student will learn to make duplicate negatives through traditional and digital techniques. Prerequisite(s): ART 1223, 2223 and sophomore standing or above. Enrollment open to Studio Art (1006) and Mass Communication-Photographic Arts (5008) majors only.

ART 4113 - Lithography

In this course the students will learn the basic planographic printing techniques. The student will explore printing on surfaces such as stone, metal, and paper. Prerequisite(s): ART 2903 or DES 3293 with a minimum grade of "C" and sophomore standing or above.

ART 4133 - Digital Printmaking

This course is a study of the use of the computer and other related hardware in the creation of fine art multiples. Each student will create limited edition prints using the computer and various computer printers. Prerequisite(s): ART 2903 or DES 3293 with a minimum grade of "C" and junior or senior standing.

ART 4143 - History of Museum Practices

This course examines the history of museum and its practices worldwide and emphasizes the importance of museums in the creation of history and public memory through these practices. Thus, museum is discussed in relation to the passing time, the waning of civilizations, and nostalgia for the past as well as an element of local, ethnic, tribal, religious, and national identities. The course also examines how technology has changed certain museum practices and functions, through on-line virtual museums and digitalized many art historical collections that provide museum access to global audiences. Prerequisite(s): Junior or senior standing.

ART 4153 - Advanced Painting: Serial Development

This course includes directed research and critical analysis within the context of the oil painting genre. Work is considered within the context of a body of work as well as contemporary practices and theory. Students are encouraged to define individual approaches and content. This course may be taken up to 3 times for credit. Prerequisite(s): ART 2903, 2233, 3603 and 3623 with a minimum grade of "C". Junior or senior standing.

ART 4223 - West African Art

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from West Africa south of the Sahara from Western Nigeria to Guinea are discussed in relation to stylistic and functional similarities and differences. Prerequisite(s): Sophomore standing or above.

ART 4233 - Central African Art

This course explores the social, religious, and political influences on the creation of the arts of Africa. Arts from Central Africa from Eastern Nigeria to South Africa are discussed in relation to stylistic and functional differences. Prerequisite(s): Junior or senior standing.

ART 4263 - Ceramics IV

This course offers advanced individual research in clays, glazes and firing techniques. Students will develop personal expression through a wider variety of clay forms. Prerequisite(s): ART 2703, 2803, 2903 and 3173 with a minimum grade of "C". Junior or senior standing.

ART 4283 - Drawing V: Drawing as Professional Practice

This advanced studio based course will emphasize personal exploration of technique and concept. Reading, group discussion and writing will be utilized in this course. This course will use group, self, and instructor critique as a core component. Prerequisite(s): ART 3503 and senior standing. Enrollment open to Studio Art majors only.

ART 4313 - Advanced Sculpture I

This course allows students greater exploration of three-dimensional forms through traditional and non-traditional media. The course will emphasize conceptual development, refinement of technique, choice of materials, and professional presentation. Students develop individual approaches and work on creating a portfolio. Prerequisite(s): ART 2903, ART 2633 and ART 3633 all with a minimum grade of "C" and junior or senior standing.

ART 4333 - Mesoamerican Art

This course explores Mesoamerican art objects in their cultural and historical context. Students will be exposed to a variety of art and ideas and develop an appreciation of non-Western (European) traditions in the visual arts. Prerequisite(s): Junior or senior standing.

ART 4343 - Multicultural Art

This web course offers a study of the cultural and historical significance of the art from various cultures. Symbols that are common to cultures throughout the world will be discussed in relation to their meanings and possible origins. Prerequisite(s): Junior or senior standing.

ART 4353 - The Business Of Art

In this course students will develop business skills needed to successfully market artwork, i.e.; grant writing, record-keeping, developing a portfolio and resume, exhibiting, targeting art markets, and preparing taxes. Prerequisite(s): ART 2903 with a minimum grade of "C" and junior or senior standing.

ART 4363 - Art by Women

This course offers concentration of the visual art contributions of women. Historical, cultural, and political influences on women's art are examined. Prerequisite(s): Junior or senior standing.

ART 4383 - Theories & Methods in Art History

This course offers a synoptic view of selected methodologies and theories in the history of global art and visual culture and how these practices shape the study of art and visual culture. Prerequisite(s): 12 hours of art history and junior or senior standing.

ART 4393 - Senior Thesis

This course is a capstone course for the Art History BFA. It is designed to evaluate the student's ability to do art historical research and to present it in a meaningful document. Prerequisite(s): Enrollment open to Art History seniors in the last semester of coursework.

ART 4403 - Jewelry I

This intermediate/advanced course will explore metalworking techniques such as die forming, chasing, repousse, mechanisms, and lost wax casting. Personal expression is encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903, 3463 with a minimum grade of "C" and junior or senior standing.

ART 4413 - Mixed Media II

This class will investigate the multifaceted process of making a three-dimensional object combining media of ceramic material, metal, wood, and found objects. The student will research contemporary object makers that utilize a variety of elements and the base composition on contemporary issues that require extensive research and exploration. Prerequisite(s): ART 2903, 3413 and junior standing or above. Enrollment open to Studio Art and Art Education majors only.

ART 4533 - Metalsmithing II

This intermediate/advanced course will explore metalworking techniques: sinking, raising, chasing, repousse, anticlastic and synclastic. Personal expression is encouraged and practiced through the development of conceptual skills that utilize both traditional and contemporary methods. Prerequisite(s): ART 2903, ART 3463 and ART 3723 all with a minimum grade of "C" and junior or senior standing.

ART 4553 - Photographing Art

This is a class designed to teach the basic techniques involved in successfully photographing works of art. Topics will cover cameras, film and lighting of both two-dimensional and three-dimensional works of art. Techniques to ensure faithful color reproduction and exposure will be stressed using a variety of formats and types. Prerequisite(s): ART 2903 with minimum grade of "C". Sophomore, junior or senior standing.

ART 4563 - Jewelry II

This advanced course will serve as advanced level for the jewelry course sequencing. Emphasis will be placed on portfolio development in preparation for the senior capstone and practicum co-requisite. The student will propose and organize a series of semester projects, continued development of their artist statement, investigate advanced techniques, alternative materials, and research of contemporary artists practicing in the field of jewelry. Exhibition beyond the university setting will be required as part of the portfolio development. Prerequisite(s): ART 2903, 3463 and 4403 with a minimum grade of "C" and junior or senior standing.

ART 4600 - Studio Art

Credit varies from 1 to 4 hours. Prerequisite(s): Written permission required. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4613 - Advanced Sculpture II

In this course, students engage in advanced exploration and conceptual development of three-dimensional forms through use of traditional and non-traditional media. The scope of sculpture form will be broadened to incorporate site-specific work and installation that involve the community. Students increase depth in material and form development through studies within the context of historical and contemporary issues. Prerequisite(s): ART 2903, ART 2633, ART 3633 and ART 4313 all with a minimum grade of "C" and junior or senior standing.

ART 4633 - Advanced Silver Print & Development

This course will explore visual communication and expression through both traditional and digital applications of photographic media with an emphasis on the development of advanced technical skills related to photographic production, critical theory and analysis. Prerequisite(s): ART 1223, 2223 and junior or senior standing. Enrollment open to Studio Art (1006) and Mass Communication-Photographic Arts (5008) majors only.

ART 4643 - Figurative Clay Sculpture

This course will investigate human form with clay as the primary medium utilizing a live model for reference and measurement. The student will learn how to make three-dimensional armatures, measure anatomical proportions, and casting techniques for replication. Prerequisite(s): ART 2903 and junior standing or above. Enrollment open to Studio Art majors only.

ART 4833 - Senior Exhibition

This course is the culmination of the Studio Arts degree combining studio practices with professional skills and is a requirement for graduation. Students in this class develop a cohesive body of work that reflects their chosen area of emphasis within the studio arts. In this course students will create and prepare exhibition ready work and effectively organize, schedule and promote an exhibition. Prerequisite(s): ART 2903 with minimum grade of "C". Senior standing. Concurrent enrollment in ART 4900 is required.

ART 4843 - Elementary Art Education Methods

In this course students apply appropriate methods and materials for elementary visual arts education. Sequential discipline-based art education curriculum and child development concepts are studied. Prerequisite(s): ART 2012 and Admission to Teacher Education. Junior or senior standing. Enrollment open to Art Education majors only.

ART 4853 - Secondary Art Educational Methods

In this course, methods for teaching art for secondary students are studied. A sequential, interdisciplinary curriculum is linked to the student's studio art experiences. Prerequisite(s): ART 2012, ART 4842 or 4843 with minimum grade of "C". Admission to Teacher Education. Junior or senior standing.

ART 4900 - Practicum In Art

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C" and 12 hours of credit within area of emphasis with senior standing. Concurrent enrollment in ART 4833 is required. Enrollment open to Art and Art Education majors only.

ART 4910 - Seminar In Art

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4920 - Workshop in Art

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ART 4930 - Independent Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4940 - Field Study In Art

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4950 - Internship In Art

Credit will vary from 1 to 8 hours. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4960 - Institute In Art

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ART 2903 with minimum grade of "C". Junior or senior standing.

ART 4970 - Study Tour In Art

Credit will vary. Subject matter will vary within the department's field of study. Prerequisite(s): Junior or senior standing.

BUSINESS ADMINISTRATION (BADM)**Department of Management****BADM 1103 - Introduction To Business**

This course is a survey of basic functions, principles and practices in the administration of business organizations. This course is not open to juniors or seniors majoring in economics or business.

BADM 2000 - Topics

Credit will vary from 1 to 4 hours. Consists of selected topics of business administration, each taught by a member of the business administration staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

BADM 2111 - Students in Free Enterprise

The Student in Free Enterprise (SIFE) class provides university students the opportunity to create educational outreach programs in the community. By using business concepts students develop stronger business and leadership skills, as well as a sense of service and responsibility to the community and world around them. Students are encouraged to be entrepreneurial in project development and implementation. Students are provided the opportunity to network with university and corporate business leaders. This course may be taken four times for credit. Prerequisite(s): Sophomore standing or above.

BADM 3103 - Business Ethics

This course provides an overview of ethical theories and practices from domestic and global perspectives. These theories and practices will be demonstrated in contemporary business situations and case studies. Prerequisite(s): Junior or senior standing.

BADM 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BADM 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

BADM 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BADM 4950 - Internship

Credit may vary from 1 to 8 hours.

BADM 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

BUSINESS COMMUNICATION (BCOM)**Department of Marketing****BCOM 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics in business communication, each taught by a member of the business communication staff who has expertise in that particular area. The topics chosen for each course will be on the basis of student interest, significance and relevance to problems of contemporary society.

BCOM 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

BCOM 3143 - Business Communication

The essential qualities of communication theory and skills, including written, oral and interpersonal communication. A survey course covering written and nonwritten oral/speech communication theories and principles with practice and application specific to the business environment. Prerequisite(s): ENG 1113, 1213.

BCOM 3373 - Administrative Communication

Oral and written communication systems and techniques for the manager, with emphasis on interviews, conferences, speeches, panel discussions, listening, and small group communication.

BCOM 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 4113 - Interpersonal Communication

Focuses on perceptions, assumptions, feelings, and understandings in business situations. Includes study in sources of identification and techniques of mastery in communication arts and skills. Prerequisite(s): BCOM 3143.

BCOM 4333 - Negotiation

This course is designed to provide an introduction to theoretical and practical aspects of negotiation in business and other organizational settings. The emphasis is on gaining an understanding of the negotiation process and strategies as well as developing effective negotiation skills. Prerequisite(s): BCOM 3143 or MRKT 3123.

BCOM 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

BCOM 4930 - Independent Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BCOM 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

BCOM 4950 - Internship

Credit will vary from 1 to 8 hours.

BIOLOGY (BIO) **Department of Biology**

BIO 1114 - General Biology

This is an introduction to the life sciences as a course to fulfill the general education requirement for non-biology majors. The topics include an introduction to the fundamental principles of biology, the scientific method, cell structure and organization, biological molecules and metabolism, the levels of biological organization and systematics, plant and animal systems, Mendelian genetics, heredity, evolution and ecology. This course does not have an accompanying laboratory session and does not count towards a B.S. degree in Biology. A student will not receive credit for having taken both BIO 1114 and BIO 1214.

BIO 1204 - Biology I for Majors

This is the introductory course required for all biology majors, pre-health career students and other science majors planning to take upper-division courses in biology. It is designed to be a major's introduction to the fundamental principles of biology, including cell biology, energetics and metabolism, plant and animal systems, heredity, evolution and ecology.

BIO 1211 - General Biology Laboratory

This is a 2-hour laboratory for non-majors General Biology. It fulfills the university core requirements of a science laboratory. Prerequisite(s): Concurrent enrollment in BIO 1114 or successful completion of a university General Biology course without a laboratory.

BIO 1214 - General Biology And Laboratory

This is an introduction to the life sciences as a course to fulfill the general education requirement for non-biology majors. The topics include an introduction to the fundamental principles of biology, the scientific method, cell structure and organization, biological molecules and metabolism, the levels of biological organization and systematics, plant and animal systems, Mendelian genetics and heredity, evolution and ecology. This course consists of a three hour lecture and one two-hour laboratory session per week. Students must be enrolled in both a BIO 1214 lecture and a BIO 1214L laboratory period concurrently. This course does not count towards a B.S. degree in Biology and a student will not receive credit for having taken both BIO 1114 and BIO 1214.

BIO 1214L - General Biology Laboratory

Laboratory topics for this course include an introduction to the scientific method, the microscope, the study of the cell, a survey of microorganisms, plants and animals, cell division, Mendelian genetics, protein synthesis, and the anatomic study of the human and fetal pig dissection. This course is a two-hour per week laboratory designed to accompany BIO 1214 and to fulfill a laboratory science requirement for students not majoring in biology. Students must be enrolled concurrently in a 1214 lecture and a lab section to earn credit for both courses.

BIO 1225 - Biology II for Majors and Laboratory

This is the second introductory course required for all biology majors, pre-health professions students and other science majors planning to take upper division courses in biology. An introduction to phylogenies, including the ancestral position of microorganisms, establishes the evolutionary framework for understanding life's diversity. The focus of the course is the morphological characteristics of organisms that facilitate internal regulation and illustrate adaptation, especially in plants and animals. Lecture and lab exercises emphasize growth, anatomy, transport, regulation, reproduction and diversity of plants; and nutrient procurement, movement, excretion, osmoregulation, control systems, reproduction, development, and diversity of animals. Prerequisite(s): BIO 1204, CHEM 1103 and 1112 all with a minimum grade of "C". Concurrent enrollment in BIO 1225L.

BIO 1225L - Biology II for Majors Laboratory

This is the three-hour per week laboratory to accompany BIO 1225.

BIO 1234 - Environmental Biology: A Global Perspective

This course integrates concepts of ecosystem structure and function with global environmental issues such as human population growth, loss of biodiversity, natural resource conservation, and environmental pollution.

BIO 1304 - Plant Biology And Laboratory

This course is an introduction to plant cells, plant morphology, plant anatomy, plant physiology, and plant diversity. Laboratory and lecture are integrated with three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIO 1204.

BIO 1304L - Plant Biology Laboratory

Three hour per week laboratory to accompany BIO 1304.

BIO 1404 - Animal Biology And Laboratory

Animal Biology is an introductory zoology course that surveys the similarities and differences in morphology, embryology and physiology of major animal phyla. Emphasis is on phylogenetic relationships. Laboratory and lecture are integrated with three hours of lecture and three hours of laboratory each week. Prerequisite(s): BIO 1204.

BIO 1404L - Animal Biology Laboratory

Three hour per week laboratory to accompany BIO 1404.

BIO 2000 - Topics In Biology

Credit will vary from 1 to 4 hours. Lecture and discussion on selected topics of current interest in biology. Prerequisite(s): BIO 1204 with a minimum grade of "C".

BIO 2023 - Plants And Man

Plants and man is a general enrichment class for majors and/or non-majors interested in learning more about the ways mankind has made, and does make, use of plants. Coverage includes important world food crops, fiber producers, medicinal, herbal and spice plants, esthetics uses, edible wild plants, poisonous plants, and current genetic research. Prerequisite(s): BIO 1114 or 1214.

BIO 2102 - Biological & Medical Terminology

This course will study Greek and Latin roots in scientific words with the main emphasis on biological and medical roots. It is designed for biology majors, minors, premedical and other pre-professional health students. Prerequisite(s): One course in biological sciences.

BIO 2203 - Cell Biology

This course examines the basic features of cells and methods of studying them with emphasis on elementary cellular chemistry, structure and function of cellular organelles, and cellular mechanisms of reproduction and differentiation. Prerequisite(s): CHEM 1103, BIO 1204 all with a minimum grade of "C".

BIO 2211 - Cell Biology Laboratory

This course is an introduction to fundamental methods and standard laboratory practices utilized in cellular and molecular biology. Students will learn to conduct more independent laboratory activities in preparation for upper level courses. Prerequisite(s): CHEM 1103, BIO 1204 and (BIO 2203 or concurrent enrollment in BIO 2203), all with a minimum grade of "C".

BIO 2233 - Heredity And Evolution

This course is an introduction to the basic principles of genetics and mutagenesis, and how these principles integrate into evolutionary processes. Emphasis is placed on solving problems involving different modes of inheritance as well as population genetics and natural selection. Only one of the following courses can be counted as credit toward a degree in Biology: BIO 2233 or 3304. Prerequisite(s): BIO 1304, 1404, 2203.

BIO 2263 - Environmental Biology

This course studies the structural and functional components of ecosystems, natural and man made, terrestrial, and aquatic. The course is designed around three central issues: population, resources, and pollution. Students are required to supplement text material with current news and periodical information. Prerequisite(s): BIO 1304, 1404 and CHEM 1223.

BIO 2314 - Introduction To Microbiology & Laboratory

This class is an introduction to microorganisms with emphasis on their classification, structure, growth, metabolism and genetics. Control of microbial growth as well as defense responses of the host are also covered. The course consists of three hours lecture and three hours laboratory per week. The laboratory provides hands-on experience in handling, isolating, staining and identifying bacteria and introduces the student to protozoans, algae, fungi and viruses. Prerequisite(s): one course in biology and chemistry, both with minimum grade of "C".

BIO 2314L - Introduction To Microbiology Laboratory

Three hours of laboratory per week accompany BIO 2314. The laboratory provides hands-on experience in handling, isolating, staining and identifying bacteria and introduces the student to protozoans, algae, fungi and viruses.

BIO 2504 - Human Anatomy & Laboratory

This course is an introductory study of human anatomy using models, mammalian dissection and human cadavers that have been pre-dissected (Prosection). Histology is also included. This course is for paramedical, premedical, and related majors. Prerequisite(s): One college course in General Biology with a minimum grade of "C".

BIO 2504L - Elementary Human Anatomy Laboratory

This is a two-hour per week laboratory to accompany BIO 2504.

BIO 2604 - Human Physiology & Laboratory

This course is the study of physiological functions of human body systems. The course consists of three hours lecture and three hours laboratory per week. This course is for allied health majors. Prerequisite(s): A general biology course, one chemistry course, and either BIO 2203 or 2314. Concurrent enrollment in BIO 2604L is required.

BIO 2604L - Human Physiology Laboratory

This is a three-hour per week laboratory to accompany BIO 2604.

BIO 3000 - Workshop In Biology

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Written permission of instructor.

BIO 3024 - Plant Physiology & Laboratory

This course provides an introductory investigation of vascular plant physiology. Topics include photosynthesis and respiration, secondary metabolism, mineral nutrition, and plant growth regulation. The course consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 1225, 2203, one of the following (3054, 3543, 3703, 3303) and STAT 2103 all with a minimum grade of "C".

BIO 3024L - Plant Physiology Laboratory

This is a three-hour per week laboratory to accompany BIO 3024.

BIO 3054 - Microbiology for Majors & Laboratory

This is a foundational microbiology course that emphasizes microbial classification, structure, growth, metabolism, genetics, biotechnology, industrial applications, and ecology. The laboratory provides hands-on experience in handling, isolating, staining, identifying, and controlling microorganisms. It includes a brief survey of microorganisms. Prerequisite(s): BIO 1204, 1225, 2203, CHEM 1223, 1232, and STAT 2103 all with a minimum grade of "C". Concurrent enrollment in BIO 3054L.

BIO 3054L - Microbiology for Majors Laboratory

This is a three-hour per week laboratory to accompany BIO 3054.

BIO 3104 - Embryology And Laboratory

This course is a study of the early development of vertebrates, with some consideration of invertebrate material and experimental developmental biology. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203 and (BIO 3303 or 3703) all with a minimum grade of "C".

BIO 3104L - Embryology Laboratory

This is a three-hour per week laboratory to accompany BIO 3104.

BIO 3154 - Invertebrate Zoology & Laboratory

This course studies the classification, evolution, ecology, and morphology of all invertebrate phyla. It consists of three hours lecture and

three hours laboratory per week. Prerequisite(s): BIO 3543 or 3703, and STAT 2103 all with a minimum grade of "C".

BIO 3154L - Invertebrate Zoology Laboratory

This is a three-hour per week laboratory to accompany BIO 3154.

BIO 3254 - Comparative Vertebrate Anatomy & Laboratory

This course is a study of the phylogeny and evolution of vertebrate organ systems through dissection and demonstration. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203 and 3703 all with a minimum grade of "C".

BIO 3254L - Comparative Vert Anatomy Laboratory

This is a three-hour per week laboratory to accompany BIO 3254.

BIO 3303 - Genetics

This course is a study of the physical and chemical basis of inheritance with emphasis on modern theory. Prerequisite(s): Bio 1204, 1225, 2203, 2211, CHEM 1103, 1112, 1223, 1232, and STAT 2103 all with a minimum grade of "C".

BIO 3311 - Genetics Laboratory

This is a three-hour per week genetics laboratory course. The course emphasizes frequently used laboratory techniques in genetic studies. Prerequisite(s): BIO 3303 or concurrent enrollment in BIO 3303 and STAT 2103 all with a minimum grade of "C".

BIO 3403 - Comparative Animal Physiology

This course is a correlative study of animal function with emphasis on environmental and biochemical adaptations. Students may not receive credit for both BIO 3403 and BIO 3464. Prerequisite(s): STAT 2103, PHY 1114, BIO 1225, 2203 and (3543 or 3703) all with a minimum grade of "C".

BIO 3414 - Histology And Laboratory

This course is a study of the microstructure of animals, chiefly vertebrates with emphasis on tissue recognition. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203, and (BIO 3054 or 3543 or 3703 or 3303) all with a minimum grade of "C".

BIO 3414L - Histology Laboratory

This is a three-hour per week laboratory to accompany BIO 3414.

BIO 3454 - Vertebrate Zoology & Laboratory

Extant and extinct vertebrate animals will be studied emphasizing evolution and the form and function of the principal characteristics distinguishing major taxa. Prerequisite(s): STAT 2103, BIO 1225, 2203, 3543 and 3703 (may concurrently enroll in BIO 3543 or 3703) all with a minimum grade of "C".

BIO 3454L - Vertebrate Zoology Laboratory

This is a three-hour per week laboratory to accompany BIO 3454.

BIO 3464 - Comparative Animal Physiology & Laboratory

This course is a correlative study of animal function with emphasis on environmental and biochemical adaptations. It consists of three hours lecture and three hours laboratory per week. Students may not receive credit for both BIO 3403 and BIO 3464. Prerequisite(s): STAT 2103, PHY 1114, BIO 1225, 2203 and 3543 or 3703 all with a minimum grade of "C".

BIO 3464L - Comparative Animal Physiology Laboratory

This is a three-hour per week laboratory to accompany BIO 3464.

BIO 3543 - General Ecology

This course studies the relationships between organisms and their environment. Special emphasis is placed on environmental factors, individual responses, populations, communities, and conservation issues. Prerequisite(s): BIO 1204, 1225, and STAT 2103 all with a minimum grade of "C".

BIO 3551 - Ecological Methods

This course introduces students to field, laboratory, and computer-based methods in ecology. It includes the study of abiotic and biotic components of terrestrial and aquatic ecosystems. This course emphasizes common methods used in modern ecological studies of terrestrial and aquatic environments. It consists of three hours of laboratory per week, and many exercises will involve field trips. Prerequisite(s): BIO 1204, 1225, (3543 or concurrent enrollment) and STAT 2103 all with a minimum grade of "C".

BIO 3604 - Plant Kingdom And Laboratory

This course is a study of the life cycles, evolution and recognition of selected algae, fungi, lichens, bryophytes, and representative vascular plants. It consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): BIO 1225, BIO 2203, (BIO 3303 or 3543 or 3703), and STAT 2103 all with minimum grade of "C".

BIO 3604L - Plant Kingdom Laboratory

This is a three-hours per week laboratory to accompany BIO 3604.

BIO 3703 - Evolution

This course is a study of the theory and processes of evolution with emphasis on their importance of evolution as a unifying concept to the field of biology. Both historical and modern concepts are incorporated into the course. Prerequisite(s): BIO 1204, 1225, 2203, CHEM 1103, 1112, 1223, 1232 and STAT 2103 all with a minimum grade of "C".

BIO 3803 - Mammalian Physiology I

This course is a study of mammalian physiology, using the human nervous, cardiovascular and respiratory systems as models. Prerequisite(s): BIO 2203, STAT 2103 and CHEM 1223 all with minimum grade of "C".

BIO 3813 - Mammalian Physiology II

This course is a study of mammalian physiology, using the human excretory, reproductive and endocrine systems as models. Prerequisite(s): BIO 2203, STAT 2103 and CHEM 1223 all with minimum grade of "C".

BIO 3990 - Advanced Topics In Biology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 8 hours of biology.

BIO 4012 - Introduction To Biological Research

This course guides students in designing a research project, writing a proposal, and conducting and reporting research. Additionally, students learn to search the biological literature and critically evaluate published research papers. Emphasis is also placed on the development of written and oral communication skills. An individual research project is required. Prerequisite(s): Two courses from the following (BIO 3054, BIO 3303, BIO 3543 or BIO 3703) and STAT 2103 all with a minimum grade of "C".

BIO 4024 - Freshwater Ecology & Laboratory

This course studies freshwater life with special emphasis on community relationships, ecological factors in different habitats and their influence on the distributions, abundances, and adaptations of freshwater organisms. It consists of three hours of lecture and three hours of laboratory per week. Extensive field work is required. Prerequisite(s): BIO 3543, BIO 3703 (or concurrent enrollment) and STAT 2103 all with a minimum grade of "C".

BIO 4024L - Freshwater Ecology Laboratory

This is a three-hour per week laboratory to accompany BIO 4024. Extensive field work is required. Prerequisite(s): must enroll in BIO 4024.

BIO 4103 - History and Nature of Science

This course surveys the history of the natural sciences beginning with the natural philosophers of ancient Greece and continuing through the

Middle Ages, Renaissance and into the Modern Era. Taught as a series of historical episodes, the course will include discussion of original literature about the scientific process, including the social and philosophical implications of that process. Prerequisite(s): STAT 2103 and 12 hours of science including at least three hours at the upper division level all with a minimum grade of "C".

BIO 4117 - Clinical Microbiology

This course is a study of pathogenic bacteria, viruses, rickettsiae, fungi, and parasites both in theory and laboratory experience. This includes isolation, identification, antimicrobial susceptibility testing, and medical significance. Prerequisite(s): Must be admitted to Clinical Program.

BIO 4124 - Herpetology And Laboratory

The morphology, ecology, physiology, behavior, and evolution will be studied in extant and extinct Amphibians and Reptiles. General principles and functional processes will be illustrated using recent empirical findings. Prerequisite(s): BIO 3543, 3703 and STAT 2103 all with a minimum grade of "C"; BIO 3454 is recommended.

BIO 4124L - Herpetology Laboratory

This is a three-hour per week laboratory to accompany BIO 4124. Field trips are required.

BIO 4204 - Plant Ecology And Laboratory

This course is a study of the interactions of plants with their environment. The course covers terrestrial, vascular plant ecology with investigations at the population, community, and ecosystem levels of ecology. The course consists of three hours lecture and three hours laboratory per week. Field trips are required. Prerequisite(s): BIO 3543, (BIO 3303 or BIO 3703) and STAT 2103 all with minimum grade of "C".

BIO 4204L - Plant Ecology Laboratory

This is a three-hour per week laboratory to accompany BIO 4204. Field trips are required.

BIO 4213 - Animal Behavior

The behavior of animals will be studied emphasizing the ecological and evolutionary significance of behavior patterns in nature. General principles and processes will be illustrated using recent empirical findings. Students may not receive credit for both BIO 4213 and BIO 4254. Prerequisite(s): BIO 3154 or 3454 and STAT 2103 all with a minimum grade of "C".

BIO 4236 - Clinical Hematology

This course is a systematized study of disease and abnormal derivation, maturation and function, principles of hemostasis; methodology used in routine and special hematology studies; and finding correlation of hematological with physiological conditions. Prerequisite(s): Must be admitted to clinical program.

BIO 4246 - Clinical Immunology

This course discusses the theory of immunologic responses and procedures used in serological determinations. Discussions include the study of immunohematology, fundamentals of antigen-antibody reactions, blood groups and types, compatibility testing, blood components, and the laboratory methods used as they relate to the medical significance of immunology and infectious diseases. Prerequisite(s): Must be admitted to clinical program.

BIO 4254 - Animal Behavior And Laboratory

The behavior of animals will be studied emphasizing the ecological and evolutionary significance of behavior patterns in nature. General principles and processes will be illustrated using recent empirical findings. The course consists of three hours lecture and three hours laboratory per week. Field work is required. Students may not receive credit for both BIO 4213 and BIO 4254. Prerequisite(s): BIO 3154 or 3454 and STAT 2103 all with a minimum grade of "C".

BIO 4254L - Animal Behavior Laboratory

This is a three-hour per week laboratory to accompany BIO 4254. Field work required.

BIO 4264 - Mammalogy And Laboratory

This course is a survey of mammals, including their taxonomy, anatomy, ecology, distribution, behavior and natural history. It consists of three hours lecture and three hours laboratory per week and participation on weekend field trips is recommended. Prerequisite(s): (BIO 3703 or BIO 3303) and STAT 2103 with a minimum grade of "C".

BIO 4264L - Mammalogy Laboratory

This is a three-hour per week laboratory to accompany BIO 4264. Participation on weekend field trips is recommended.

BIO 4294 - Plant Taxonomy And Laboratory

This course covers vascular plant classification, identification, nomenclature and evolution with laboratory experience in plant collection and identification. The course consists of three hours lecture and three hours laboratory per week. Field work is required. Prerequisite(s): BIO 3703, one of the following courses (BIO 3054 or BIO 3303 or BIO 3543) and STAT 2103 all with minimum grade of "C".

BIO 4294L - Plant Taxonomy Laboratory

This is a three-hour per week laboratory to accompany BIO 4294. Field work is required.

BIO 4324 - Marine Ecology And Laboratory

This course studies marine life with special emphasis on community relationships, ecological factors in different habitats and their influence on the distributions, abundances, and adaptations of marine organisms. It consists of three hours lecture and three hours laboratory per week. Extensive field work, including a one-week trip to the Texas Gulf Coast is required. Prerequisite(s): STAT 2103 and BIO 3543 and (BIO 3703 or concurrent enrollment or BIO 3154) all with a minimum grade of "C".

BIO 4324L - Marine Ecology Laboratory

This is a three-hour per week laboratory to accompany BIO 4324.

BIO 4334 - Environmental Microbiology & Laboratory

This course is an advanced study in microbiology dealing with the use of microorganisms to mineralize, detoxify and degrade environmental contaminants. This course will study the mechanisms and processes by which microorganisms are involved in the treatment of sewage, identification of waterborne microbial diseases and the process of water purification which prevents the spread of these diseases. The course will investigate the remediation of heavy metal contaminated soils. Laboratory exercises will enable students to become familiar with and to use standard tests for the analysis of water and wastewater and the biodegradation of environmental pollutants. Prerequisite(s): BIO 3054 and one of the following (BIO 3303, BIO 3543 or BIO 3703) and STAT 2103 all with minimum grade of "C".

BIO 4343 - Molecular Biology Techniques & Laboratory

This lecture and laboratory course presents advanced principles of DNA analysis techniques. Both human (forensic) and non-human applications will be discussed. Topics covered in this course include DNA extraction, DNA quantification, polymerase chain reaction, DNA fragment analysis, DNA sequencing, and bioinformatic databases. Prerequisite(s): BIO 3303, one of the following (BIO 3054, 3543, or 3703) and STAT 2103 all with a minimum grade of "C". Credit may not be earned for both BIO 4343 and FRSC 4333.

BIO 4343L - Molecular Biology Techniques Laboratory

This is a laboratory to accompany BIO 4343.

BIO 4354 - Plant Anatomy And Laboratory

This course includes a study of external and internal structures of vascular plants with attention to correlating structure with function.

Students will be required to complete an individual research project as part of the course. It consists of three hours of lecture and three hours of laboratory per week. Prerequisite(s): Two of the following courses (BIO 3303, BIO 3054, BIO 3543, or BIO 3703) and STAT 2103 all with a minimum grade of "C".

BIO 4354L - Plant Anatomy Laboratory

This is a three-hour per week laboratory to accompany BIO 4354.

BIO 4413 - Virology And Laboratory

This course is a study of the nature and structure of viruses, their multiplication and effects on host cells. Special attention is given to the pathogenesis of viral diseases, mechanisms of host resistance and a survey of tumor and cancer producing viruses. Lecture meets two hours per week. Laboratory meets three hours per week. Prerequisite(s): STAT 2103 and BIO 3054, both with a minimum grade of "C".

BIO 4413L - Virology Laboratory

This is a three-hour per week laboratory to accompany BIO 4413.

BIO 4443 - Microtechnique And Laboratory

This course is an introduction to manual techniques of tissue processing and staining procedures along with microphotography, phase microscopy, and fluorescent microscopy. Student presentations of special projects are required. It consists of one hour lecture and six hours laboratory per week. Prerequisite(s): STAT 2103 and a minimum 12 hours of biology and written permission of instructor.

BIO 4443L - Microtechnique Laboratory

This is a six-hour per week laboratory to accompany BIO 4443.

BIO 4454 - Molecular Cell Physiology and Laboratory

This course emphasizes a study of the molecular and physiological aspects of cell life. Topics include cell dynamics, protein structure and function, nucleic acids, recombinant DNA technology, subcellular organization, photosynthesis, respiration, integrated metabolism, transport, and differentiation. It consists of lecture and laboratory integrated into six hours per week; length of laboratory sessions is three hours per week. Prerequisite(s): BIO 3054, 3303 and STAT 2103 all with a minimum grade of "C".

BIO 4454L - Molecular Cell Physiology Laboratory

This is a three-hour per week laboratory to accompany BIO 4454.

BIO 4504 - Mycology And Laboratory

This course is a general survey covering the morphology, reproduction, ecology and economic importance of the fungi, including those of medical importance, with laboratory experience in their collection, cultivation, and identification. The course consists of three hours lecture and three hours laboratory per week. Prerequisite(s): BIO 3054, (BIO 3543 or 3703 or 3303) and STAT 2103 all with a minimum grade of "C".

BIO 4504L - Mycology Laboratory

This is a three-hour per week laboratory to accompany BIO 4504.

BIO 4515 - Path Microbio & Immunol & Laboratory

This course is a study of pathogenic bacteria, fungi and viruses, with emphasis on the processes leading to the development of disease symptoms, diagnosis and antibody-antigen reactions. It consists of three hours lecture and four hours laboratory per week. Prerequisite(s): STAT 2103 BIO 1225, 2203, 3054 and (CHEM 3303 or 3013) all with a minimum grade of "C".

BIO 4515L - Path Microbio & Immunol Laboratory

This is a four-hour per week laboratory to accompany BIO 4515.

BIO 4622 - Methods Of Human Dissection & Prosection

This course includes instruction in techniques of dissection and prosection of the human body. All organ systems are studied with special

reference to skeletal landmarks and to clinical significance. There are three laboratory hours and recitation hour per week. Prerequisite(s): STAT 2103, and (BIO 2504 or BIO 3254 or FNRL 2214 or FNRL 3214) and (BIO 3054 or BIO 3543 or BIO 3703 or BIO 3303) all with a minimum grade of "C".

BIO 4633 - Scanning Electron Microscopy & Laboratory

This course is a study of the theory and principles of scanning electron microscopy with special attention to sample preparation, critical point drying, sputter coating, and operation of scanning electron microscope (SEM). Laboratory exercises will enable students to become proficient in the operation of the SEM and supporting instrumentation, as well as sample preparation. Prerequisite(s): BIO 1304, 1404, 2314 and 12 hours of Biology electives and STAT 2103. Senior standing.

BIO 4714 - Aquatic Entomology & Laboratory

This course will emphasize taxonomy, morphology, ecology, evolution, and identification of aquatic stages of insects occurring in North America. Considerable time will be spent collecting and identifying aquatic insects. Prerequisite(s): BIO 3543, BIO 3703 (or concurrent enrollment) and STAT 2103 all with minimum grade of "C". Concurrent enrollment in BIO 4714L required.

BIO 4714L - Aquatic Entomology Laboratory

This is a three-hour per week laboratory to accompany BIO 4714.

BIO 4723 - Biometrics

This course is a study of biological applications and selected multivariate statistical techniques. Emphasis is placed on data collection, presentation, hypothesis formation and testing. Prerequisite(s): 12 hours Biology, MATH 1513 and STAT 2103.

BIO 4734 - Ornithology and Laboratory

This course is a study of the birds of Oklahoma, their taxonomy, physiology, anatomy, ecology, distribution, behavior, and natural history. There is a three-hour per week laboratory. Field trips are required. Prerequisite(s): BIO 3543, BIO 3703 and STAT 2103 all with minimum grade of "C".

BIO 4734L - Ornithology Laboratory

This is a three-hour per week laboratory to accompany BIO 4734. Field trips are required.

BIO 4743 - Population Genetics

This course is an advanced study of modern population genetic theory. Major topics in this course include: estimating genetic variation within populations; the effect of genetic drift, mutation, selection, and gene flow on genetic variation; inbreeding; estimation of population structure; quantitative genetics; and human population genetics. Prerequisite(s): BIO 3303, 3703 and STAT 2103 all with a minimum grade of "C".

BIO 4754 - General Entomology & Laboratory

This course is an introduction to insects emphasizing functional anatomy and identification of specimens to family level and exploring both basic and applied aspects of the discipline. It consists of three hours lecture and three hours laboratory per week and field trips are required. Prerequisite(s): STAT 2103, BIO 1225, 2203 and (BIO 3543 or 3703) all with a minimum grade of "C". Concurrent enrollment in BIO 4754L.

BIO 4754L - General Entomology Laboratory

This is a three-hour per week laboratory to accompany BIO 4754. Field trips are required.

BIO 4763 - Biology Of Cancer

This course is designed to develop students' understanding of the structure, function and reproduction of normal cells and how cancer cells are different. Classification and naming of neoplasms (tumors and cancers) and spread of cancer (invasion and metastasis) will be

discussed. Physical, chemical and biological agents responsible for transformation and mechanisms of oncogenesis will be examined. The clinical aspects of cancer will be characterized and methods of treatment will be included. Prerequisite(s): BIO 3303 and STAT 2103 both with a minimum grade of "C".

BIO 4773L - Parasitology Laboratory

This is a three-hour per week laboratory to accompany BIO 4773.

BIO 4774 - Parasitology & Laboratory

This course is a survey of animal parasites, including their taxonomy, life cycles, morphology, physiology, and parasitic strategies. It consists of three hours lecture and three hours laboratory per week. Prerequisite(s): STAT 2103, BIO 1225, 2203, and (BIO 3054 or 3703 or 3543) all with a minimum grade of "C".

BIO 4812 - Teach & Learn in Sci Classroom

The course will examine pertinent contributions from recent research in the area of teaching secondary science. The course focuses on research related to improving the teaching and learning of science and on techniques and materials that meet the needs of secondary students. The course emphasizes integrating science and technology, and adapting instruction to the needs of diverse learners. Prerequisite(s): six hours of science courses at the 3000-level and admission to Teacher Education or written permission of the instructor. Junior or senior standing or above.

BIO 4840 - Capstone

The Capstone provides students an opportunity to apply, integrate, and demonstrate the knowledge and skills they have acquired during their undergraduate biology education. This 0 credit hour course is designed to be taken in conjunction with a capstone experience through which the student will be able to demonstrate the core competencies of the general education program of the university. Capstone experiences may include designated course options or special projects in biology. Approval of the Capstone Coordinator is required before starting a capstone experience. Regardless of the option that is chosen, students will be required to submit a reflective writing piece about their capstone experience. Prerequisite(s): Junior or senior standing with at least 60 credit hours of coursework. Enrollment open to biology and biomedical major only.

BIO 4853 - General Methods Of Teaching Science & Laboratory

This course is a study of different methods/approaches of teaching science (life and physical sciences, grades 6-12) and current issues in science education for secondary science education majors. Curriculum includes individual experience involving application of methods and approaches learned in the course. It consists of two hours lecture and three hours laboratory per week. Prerequisite(s): BIO 4812 and six hours of science courses at the 3000 level with junior or senior standing. Admission to Professional Teacher Education or permission of instructor.

BIO 4853L - General Methods Of Teaching Science Laboratory

This is a three-hour per week laboratory to accompany BIO 4853.

BIO 4871 - Senior Seminar

This course will focus on one biological topic determined by faculty interest. This course can be used to satisfy the capstone requirement. Prerequisite(s): Senior standing with 90 credit hours or more. Enrollment open to Biology and Biomedical majors only.

BIO 4900 - Practicum In Biology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BIO 4910 - Seminar In Biology

Credit will vary from 1 to 4 hours. Directed study in literature and semi-independent studies of selected problems in the biological fields. This course may be repeated for credit to a maximum of four hours. Prerequisite(s): 12 hours biology and STAT 2103.

BIO 4920 - Workshop In Biology

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

BIO 4930 - Individual Study In Biology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

BIO 4950 - Internship In Biology

Credit will vary from 1 to 8 hours.

BIO 4960 - Institute In Biology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

BIO 4970 - Study Tour In Biology

Credit will vary. Subject matter will vary within the department's field of study.

EDUCATION & PROFESSIONAL STUDIES (CEPS) College of Education

CEPS 2000 - Topics In Education & Professional Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CEPS 3000 - Workshop: Education & Professional Studies

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CEPS 3990 - Advanced Topics: Education & Professional Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CEPS 4900 - Practicum: Education & Professional Studies

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

CEPS 4910 - Seminar: Education & Professional Studies

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

CEPS 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CEPS 4930 - Individual Study: Education & Professional Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CEPS 4940 - Field Study: Education & Professional Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CEPS 4950 - Internship: Education & Professional Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CEPS 4960 - Institute: Education & Professional Studies

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

CEPS 4970 - Study Tour: Education & Professional Studies

Credit will vary. Subject matter will vary within the department's field of study.

**CHEMISTRY (CHEM)
Department of Chemistry**

CHEM 1003 - Chemistry And Society

This course provides a brief introduction to the concepts and procedures of chemistry and a survey of significant contributions of the discipline to society. The course will not apply toward credits for chemistry majors or minors. Credit may not be earned in both CHEM 1003 and CHEM 1024.

CHEM 1014 - Introduction To Chemistry & Laboratory

This is a lecture and laboratory survey course covering selected topics in general, inorganic, organic, and biochemistry. It is designed for non-science majors with applications for the allied-health areas. The course consists of three hours lecture and three hours laboratory per week. Concurrent enrollment in CHEM 1014L is required. This course does not apply toward credit for chemistry majors or minors. Prerequisite(s): one college level math course.

CHEM 1014L - Introduction To Chemistry Laboratory

This course consists of three hours of laboratory per week to accompany CHEM 1014.

CHEM 1103 - General Chemistry I

This course provides an introduction to the fundamental principles and basic areas of chemistry with particular emphasis on problem solving. Topics covered in this course include classifications of matter, chemical formulas and equations, stoichiometry, gas laws, thermochemistry, atomic theory, and bonding. Prerequisite(s): MATH 1513 or concurrent enrollment. Concurrent enrollment in CHEM 1112 is required.

CHEM 1112 - General Chemistry I Recitation/Laboratory

This laboratory course focuses on basic chemistry laboratory operations, including chemical and physical changes, data collection, and the interpretation and reporting of results. Additional topics include safety, reliability of results, use of literature, calculations, and familiarity with equipment. The course consists of one hour of recitation and three hours of laboratory. Prerequisite(s): Concurrent enrollment in CHEM 1103 is required.

CHEM 1223 - General Chemistry II

This course is a continuation of CHEM 1103. Topics covered in this course include properties of solutions, chemical kinetics, equilibria, second and third laws of thermodynamics, redox equations, electrochemistry, nuclear chemistry, and aspects of descriptive chemistry. Concurrent enrollment in CHEM 1232 is required. Prerequisite(s): CHEM 1103 with a minimum grade of "C".

CHEM 1232 - General Chemistry II Recitation/Laboratory

This laboratory course focuses on calculations involving chemical systems plus laboratory exercises demonstrating principles discussed in CHEM 1223. The course consists of one hour of recitation and three hours laboratory per week. Prerequisite(s): CHEM 1223 or concurrent enrollment.

CHEM 1315 - Chemistry for Engineering and Laboratory

This is a combined lecture and laboratory course covering basic concepts and principles of chemistry, and is designed specifically for engineers. The coverage includes reactions and stoichiometry; the properties of solids, liquids, and gases; thermochemistry; the electronic structure of atoms and molecules; and equilibrium, electrochemistry and kinetics. Course content provides engineers with examples of the application of chemistry of materials to current issues in energy and materials science. The course substitutes for CHEM 1103 and CHEM 1112. Prerequisite(s): MATH 1513 or high school equivalent. High

school chemistry recommended. Enrollment open to Engineering Physics majors only. Concurrent enrollment in CHEM 1315L required.

CHEM 1315L - Chemistry for Engineering Recitation & Laboratory

This laboratory course, to accompany CHEM 1315, focuses on basic chemistry laboratory operations, with particular emphasis on those areas relevant to the field of engineering. Prerequisite(s): Concurrent enrollment in CHEM 1315 required.

CHEM 2000 - Topics In Chemistry

Credit will vary from 1 to 4 hours. Specialty course offerings involving various areas of chemistry and their applications.

CHEM 2104 - Quantitative Analysis & Laboratory

This course provides an introduction to analytical chemistry including selected methods of analysis and the statistical treatment of experimental data. Students are strongly encouraged to take CHEM 2104 shortly after the completion of CHEM 1223 as the material covered in CHEM 2104 builds upon the material covered in CHEM 1223. Prerequisite(s): CHEM 1223 and 1232 both with a minimum grade of "C". Concurrent enrollment in CHEM 2104L is required.

CHEM 2104L - Quantitative Analysis Laboratory

This laboratory course accompanies CHEM 2104. Concurrent enrollment in CHEM 2104 is required.

CHEM 2621 - Professionalism in Chemistry I

Professionalism in Chemistry I introduces students to career options in the field. Students will learn about areas of chemistry that are not typically introduced in general chemistry, but that could play a role in solving global issues. Students will also learn about the importance of safety and ethics in chemistry. Students will set up their department e-portfolios and begin gathering documents. Prerequisite(s): CHEM 1103 with a minimum grade of "C". Enrollment open to Chemistry majors only.

CHEM 3000 - Workshop In Chemistry

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speakers, etc. A grade of "P" or "F" is given. No more than six hours of workshop may be counted toward a bachelor's degree.

CHEM 3013 - Organic Chemistry for Life Sciences

This course is designed for non pre-health professional Biology majors and Nutrition majors. Topics include nomenclature, structure, stereochemistry, and reactivity of the various functional groups with emphasis on biological applications. Pre-medical, pre-dental, and pre-pharmacy majors should enroll in CHEM 3303 as CHEM 3013 does not prepare the student to take the DAT, MCAT or PCAT admissions exam. This course will not substitute for CHEM 3303 Organic Chemistry I. Credit may not be earned in both CHEM 3013 and CHEM 3303. Prerequisite(s): CHEM 1223 with a minimum grade of "C".

CHEM 3022 - Organic Chemistry for Life Sciences Laboratory

This laboratory course is designed for Biology majors that are not pre-health professionals. This course introduces the student to common organic chemistry laboratory skills such as the separation, purification, and preparation of organic compounds. Identification of the products in this course will be carried out using IR spectroscopy. Pre-medical, pre-pharmacy, and pre-dental students should enroll in CHEM 3312 to ensure proper credit when applying to their respective professional school. This course will not substitute for CHEM 3312. Credit may not be earned in both CHEM 3312 and CHEM 3022. Prerequisite(s): CHEM 1232 with a minimum grade of "C" and CHEM 3013 or concurrent enrollment.

CHEM 3102 - Chemical Literature

This course is a study of the technical literature of chemistry. Prerequisite(s): CHEM 3303.

CHEM 3203 - Introduction To Physical Chemistry

This course covers the following topics in physical chemistry: gas laws, kinetic-molecular theory, thermodynamics, equilibrium, kinetics, electrochemistry, and quantum chemistry. Credit for this course will not apply toward major codes 6061, Chemistry ASC Certificate or 6060, Chemistry. Prerequisite(s): CHEM 2104, PHY 1114, STAT 2103.

CHEM 3303 - Organic Chemistry I

This course is the first in a two-semester sequence of organic chemistry for science majors and pre-health professional students. Topics include structure, stereochemistry, preparation and reactions of selected classes or organic compounds, certain theoretical topics including reactivity and mechanisms, nomenclature and terminology, multi step synthesis, and spectroscopy. Prerequisite(s): CHEM 1223 with a minimum grade of "C".

CHEM 3312 - Organic Chemistry I Laboratory

This course provides an introduction to the operations and techniques required for the synthesis, separation, purification, and identification of organic compounds. The course consists of four hours laboratory per week. Prerequisite(s): CHEM 3303 or concurrent enrollment.

CHEM 3323 - Organic Chemistry II

This course is the second in a two-semester sequence of organic chemistry for science majors and pre-health professional students. Topics covered include spectrometric identification of organic compounds, preparation and reactions of selected classes of organic compounds, nomenclature and terminology, multi-step synthesis, reactivity and mechanisms, and the structure and behavior of compounds of biological interest. Prerequisite(s): CHEM 3303 with a minimum grade of "C".

CHEM 3332 - Organic Chemistry II Laboratory

This course consists of four hours of laboratory per week to accompany CHEM 3323. Operations and techniques learned in CHEM 3312 will be applied to the preparation and analysis of organic compounds. Prerequisite(s): CHEM 3312 and (3323 or concurrent enrollment).

CHEM 3403 - Biochemistry I

This course provides a study of the structural aspects, functions, and chemistry of proteins, nucleic acids, lipids, and carbohydrates. Topics include enzyme kinetics, mechanism, and regulation, DNA replication, genetic engineering, and RNA and protein synthesis, biomembranes, bioenergetics, and an introduction to metabolism. Prerequisite(s): CHEM 3303 or CHEM 3013 with a minimum grade of "C".

CHEM 3442 - Experimental Biochemistry

This laboratory course includes representative examples of qualitative and quantitative methods used in modern biochemistry laboratories; UV-visible recording spectrophotometry, enzymatic assays, paper and ion-exchange chromatography, polyacrylamide gel electrophoresis, tissue homogenization, and differential centrifugation. Prerequisite(s): CHEM 2104 and (CHEM 3303 or CHEM 3013) all with a minimum grade of "C" and 3403 or concurrent enrollment.

CHEM 3454 - Fundamentals Of Instrument Analysis & Laboratory

This course provides an introduction to modern analytical instruments with emphasis on their design, applications and sample preparation, and the interpretation of data obtained with these instruments. Instruments studied include UV-VIS, FTIR and other spectrophotometers, fluorimeters, and gas and liquid chromatographs. Concurrent enrollment in CHEM 3454L is required. This course replaces CHEM 4205. Prerequisite(s): CHEM 2104, 3312, and 3323.

CHEM 3454L - Fundamentals Of Instrument Analysis Laboratory

This is a laboratory course that accompanies CHEM 3454. Concurrent enrollment in CHEM 3454 is required.

CHEM 3503 - Physical Chemistry I

This course covers the mathematical approaches to the physical properties of chemical systems, including gas laws, thermochemistry, equilibria, liquids and solutions, solids, and reaction rates. Prerequisite(s): CHEM 2104, 3312, PHY 2114, MATH 2313.

CHEM 3513 - Physical Chemistry II

This course covers quantum mechanical investigations into chemical systems, concentrating on the fundamental nature of atoms, molecules and bonding. These principles are used to discuss the interaction of atoms and molecules with radiation and the statistical behavior of ensembles. Prerequisite(s): CHEM 3503, MATH 2323.

CHEM 3602 - Experimental Physical Chemistry

This laboratory course emphasizes the collection and analysis of physical-chemical data in areas of thermodynamics, kinetics, physical properties of pure substances and mixtures, quantum mechanics, spectroscopy, and statistics. Prerequisite(s): CHEM 3312, 3513 or concurrent enrollment.

CHEM 3621 - Professionalism in Chemistry II

Professionalism in Chemistry II focuses on the importance of communication in chemistry. Students will read current chemical literature and prepare oral and written summaries of a current topic in chemistry. Students will also explore the importance of professional networking and community outreach for chemists. Prerequisite(s): CHEM 2621 and CHEM 2104 both with a minimum grade of "C". Enrollment open to Chemistry majors only with sophomore standing or above.

CHEM 3703 - Theory and Practice of NMR

This course covers theory, applications, and experimental techniques of nuclear magnetic resonance (NMR) spectroscopy in chemistry. Prerequisite(s): CHEM 3323 and 3332.

CHEM 3990 - Advanced Topics In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CHEM 3303.

CHEM 4103 - Biochemistry II

Metabolic pathways and their regulation are studied, emphasizing enzyme reactions and regulation of mammalian systems. Topics include energy pathways, synthetic pathways, and the balancing of tissue needs via hormonal regulation. Prerequisite(s): CHEM 3403; CHEM 3323 and BIO 2203 are strongly recommended.

CHEM 4125 - Clinical Chemistry I

This course covers the theory and laboratory methodology of analytical biochemistry, clinical microscopy, routine and special procedures, and medical significance. Prerequisite(s): appropriate premedical technology curriculum.

CHEM 4325 - Clinical Chemistry II

Topics in this course include the theory and laboratory methodology of analytical biochemistry, instrumentation, laboratory mathematics, routine, and special procedures, and medical significance. Prerequisite(s): Appropriate premedical technology curriculum.

CHEM 4351 - Topics In Medical Technology

Topics in this course include the principles and practices of the medical laboratory including basic management, special education methodology, and special projects in selected areas. Prerequisite(s): Appropriate premedical technology curriculum.

CHEM 4454 - Advanced Instrument Analysis & Laboratory

This course provides a detailed study of modern analytical instruments with emphasis on the theory, design, applications and interpretation of data obtained from these instruments. Instrumental methods include electroanalytical and thermal analysis, NMR, atomic absorption, emission, x-ray and Raman spectroscopy, radiochemistry and select chromatographic methods. Concurrent enrollment in CHEM 4454L is

required. This course replaces CHEM 4303. Prerequisite(s): CHEM 3454; CHEM 3602 or concurrent.

CHEM 4454L - Advanced Instrument Analysis Laboratory

This laboratory course accompanies CHEM 4454. Concurrent enrollment in CHEM 4454 is required.

CHEM 4502 - Directed Research & Laboratory

This course enables students to learn about problems and methods in directed creative chemical research. Prerequisite(s): Written permission and concurrent enrollment in CHEM 4502L.

CHEM 4502L - Directed Research Laboratory

This laboratory course accompanies CHEM 4502. Concurrent enrollment in CHEM 4502 is required.

CHEM 4533 - Nuclear Chemistry

This course provides a study of the phenomenon of radioactivity and its application in the solution of chemistry problems, generally in the areas of compositional analysis, nuclear medicine, and the dating of materials. Topics covered include the history of radiochemistry, nuclear analytical methods, health physics, and the development of an understanding of commonly-encountered nuclear and radiological materials. Prerequisite(s): CHEM 2104 and 3323 or equivalent.

CHEM 4603 - Advanced Organic Chemistry

This course is primarily intended for junior and senior level students. This course provides the student with a more thorough understanding of organic chemistry beyond CHEM 3323 in the areas of organic synthesis, reaction mechanisms, and physical organic chemistry. Prerequisite(s): CHEM 3323 and (CHEM 3503 or concurrent enrollment).

CHEM 4654 - Inorganic Chemistry & Laboratory

This course covers atomic theory and spectroscopy, periodic properties, descriptive chemistry, inorganic structure and bonding, coordination chemistry, organometallic chemistry, symmetry and group theory. Prerequisite(s): CHEM 3332; CHEM 3203 or CHEM 3503. Concurrent enrollment in CHEM 4654L is required.

CHEM 4654L - Inorganic Chemistry Laboratory

This laboratory course, which accompanies CHEM 4654, covers microscale synthesis, characterization, and analysis of inorganic, coordination, and organometallic compounds. Prerequisite(s): CHEM 3332; CHEM 3203 or CHEM 3503. Concurrent enrollment in CHEM 4654 is required.

CHEM 4692 - Preparative Chemistry

This is a laboratory course involving preparations in biochemistry, inorganic chemistry and organic chemistry. Concurrent enrollment in CHEM 4692L is required. Prerequisite(s): Written permission of instructor.

CHEM 4692L - Preparative Chemistry Laboratory

This is the laboratory course which accompanies CHEM 4692. Concurrent enrollment in CHEM 4692 is required.

CHEM 4892 - Capstone for Chemistry

Capstone in Chemistry provides a culminating experience for chemistry majors. Students integrate concepts and ideas learned in previous coursework through a project or paper. Students will also complete their e-portfolios by reflecting on their previous coursework and evaluating the skills and abilities they will bring to future jobs, professional schools, or graduate programs. Prerequisite(s): CHEM 3621 and CHEM 3454 both with a minimum grade of "C" with junior or senior standing. Enrollment open to Chemistry majors only.

CHEM 4900 - Practicum In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

CHEM 4910 - Seminar In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CHEM 3323.

CHEM 4920 - Workshop In Chemistry

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CHEM 4930 - Individual Study In Chemistry

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHEM 4950 - Internship In Chemistry

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHEM 4960 - Institute In Chemistry

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHEM 4970 - Study Tour In Chemistry

Credit will vary. Subject matter will vary within the department's field of study.

CHINESE (CHIN)

Department of Modern Languages, Literature & Cultural Studies

CHIN 1003 - Elementary Chinese Conversation I

A general introduction to Chinese conversation for individuals with no previous, formal study of Chinese.

CHIN 1013 - Elementary Chinese Conversation II

This course is the sequel to Elementary Chinese Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. Prerequisite(s): CHIN 1003.

CHIN 1114 - Elementary Chinese I

This course serves as an introduction to Chinese pronunciation, conversation, grammar, reading and writing for students from all disciplines who have had little or no exposure to the target language.

CHIN 1224 - Elementary Chinese II

This course serves as a sequel and continuing introduction to Chinese pronunciation, conversation, grammar, reading and writing for students from all disciplines who have had CHIN 1114.

CHIN 2000 - Topics In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 3000 - Workshop In Chinese

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CHIN 3990 - Advanced Topics In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 4900 - Practicum In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CHIN 4910 - Seminar In Chinese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content.

CHIN 4920 - Workshop In Chinese

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CHIN 4930 - Individual Study In Chinese

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study.

CHIN 4940 - Field Study In Chinese

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

CHIN 4950 - Internship In Chinese

Credit will vary from 1 to 8 hours.

CHIN 4960 - Institute In Chinese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CHIN 4970 - Study Tour In Chinese

Credit will vary. Subject matter will vary within the department's field of study.

CRIMINAL JUSTICE (CJ) **School of Criminal Justice**

CJ 1313 - Writing for CJ Professionals

Writing for Criminal Justice Professionals focuses on the unique types of writing required in the criminal justice field, including but not limited to research papers, investigative and prosecutorial reports, press releases, search warrants, and probation reports. Emphasis will be placed on clear and effective writing. As part of the learning process, students will critique the writing of others. Students will learn and be able to demonstrate their ability to use the American Psychological Association (APA) citation style. Prerequisite(s): Enrollment open to Criminal Justice majors only.

CJ 1413 - Introduction to the Criminal Justice System

Introduction to the Criminal Justice System examines the basic structures and processes of the main components of the American criminal justice system and the interrelationship between the system components.

CJ 1512 - COP Orientation

Collegiate Officer Program Orientation is designed to cover a wide range of topics relating to the Collegiate Officer Program that are not covered in available course work. Topics will include, but not be limited to statutory responsibilities of the Council on Law Enforcement Education and Training (CLEET), law enforcement officers' duties and responsibilities, ceremonial duties, first aid, and the need for maintaining a healthy lifestyle. Prerequisite(s): Senior standing and admission to the Collegiate Officer Program. Enrollment open to Criminal Justice majors only.

CJ 1523 - Patrol Procedures

Patrol Procedures is a comprehensive examination of the various types of patrol and the way in which they relate to public safety challenges. The course will focus on the major functions of police patrol and factors to be considered in selection of patrol methods. Techniques used in preventive and apprehensive patrol will be explored along with the effectiveness of patrol methods. The various advantages and disadvantages of foot, bicycle, mounted, and motorized conveyances will be scrutinized. Prerequisite(s): Senior standing and admission to Collegiate Officer's Program (COP). Admission is open to Criminal Justice majors only.

CJ 1533 - Law Enforcement Firearms

Law Enforcement Firearms is an in-depth examination of the various elements concerning the use of firearms in the law enforcement profes-

sion. The course will focus on firearms safety, training, maintenance, and shooting fundamentals, with emphasis on tactical mindset and decision-making. Use of force, including the use of deadly force, will be explored and discussed in depth. Prerequisite(s): Senior standing and admission to the Collegiate Officer Program. Enrollment is open to Criminal Justice majors only. Concurrent enrollment in CJ 1543, 1553 and 1563 required.

CJ 1543 - Custody & Control Tactics

Custody and Control Tactics is an in-depth examination with aspects of force in custodial settings. This course instructs students in the necessary attitudes, knowledge and psychomotor skills required for weaponless subject control, intermediate range weapons use and self-defense techniques. The course also instructs students in how to minimize the use of excessive and unnecessary deadly force to meet legal review. Prerequisite(s): senior standing and admission to Collegiate Officer Program (COP). Enrollment open to Criminal Justice majors only. Concurrent enrollment in CJ 1533, 1553 and 1563 required.

CJ 1553 - Law Enforcement Driver Training

Law Enforcement Driver Training satisfies one of the law enforcement requirements for CLEET certification in Oklahoma. The course examines the unique psychological and physical characteristics involved in law enforcement driving. Students will explore the factors contributing to accidents and learn techniques for collision prevention. During the driving phase of the course, students will demonstrate an understanding of concepts learned in the classroom and hone driving skills essential to entry-level police officers. Concurrent enrollment in CJ 1533, 1543, and 1563.

CJ 1563 - Traffic & Accident Investigation

Traffic and Accident Investigation is an in-depth look at the laws governing vehicles and traffic in the state of Oklahoma along with specifics on accident investigation. Legal examination of Title 47 will focus on enforcement-related statutes. Accident investigation topics include: responding to the scene, scene protection, gathering and preservation of evidence, and accident reconstruction. Practical exercises will enhance learning and develop needed skill sets. Prerequisite(s): senior standing and admission to the Collegiate Officer Program. Enrollment open to Criminal Justice majors only. Concurrent enrollment in CJ 1533, 1543 and 1553 is required.

CJ 2000 - Topics In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CJ 2413 - Careers & Technologies in Criminal Justice

Careers and Technologies in Criminal Justice is designed to introduce students to the many career paths that exist in criminal justice and common skill sets needed for communication, problem solving and leadership abilities that are required by various agencies. Students will also explore the history of technologies used by CJ, as well as current and future trends.

CJ 2653 - Police Administration and Organization

Police Administration and Organization explores the evolution of police agencies in the United States with emphasis on organizational structures, managerial concerns, roles and functions of various agencies, the nature and responsibilities of police work, the interrelationships of departmental units, and community relations. Prerequisite(s): ENG 1113 and sophomore standing or above.

CJ 3000 - Workshop In Criminal Justice

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CJ 3423 - Laws of Arrest, Search, & Seizure

Laws of Arrest, Search, & Seizure presents a consideration and analysis of the most significant and recent Supreme Court decisions as they pertain to the rights of the accused in the areas of arrest, search and seizure, interrogation, and right to assistance of counsel. Prerequisite(s): ENG 1213 and junior or senior standing.

CJ 3513 - COP Legal Orientation

Collegiate Officer Program Legal Orientation is an overview of criminal law, the Oklahoma court system, and legal terminology. The course will include fundamentals of tort law, civil liability, and explore concepts of immunity. The course will also expose students to the legal elements required of peace officers in serving both civil and criminal documents. Students will learn the basics of state and federal forfeiture statutes, become familiar with legal issues surrounding the use of force, the Oklahoma Juvenile Code, laws governing Indian country jurisdiction, and immigration law. Prerequisite(s): senior standing and admission to the Collegiate Officer Program. Enrollment open to Criminal Justice majors only.

CJ 3703 - Administration of Correctional Institutions

Administration of Correctional Institutions is a study of historical and contemporary approaches to corrections and the administration of penal institutions with emphasis on the organizational structure, function, and personnel requirements of correctional institutions as well as the philosophy behind their operation. Special attention will be directed towards modern concepts of rehabilitation and problems associated with their implementation in penal institutions. Prerequisite(s): ENG 1113, 1213, CJ 1413 and junior standing or above.

CJ 3990 - Advanced Topic

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CJ 4003 - Community Oriented Policing

This course examines police and community collaboration to solve and prevent crime with a focus on police/community relations. The course will explore the history, current strategies, the impact of community on crime, disorder and fear of crime that contribute to friction or cooperation between law enforcement and the community. Prerequisite(s): ENG 1113, 1213, CJ 1413 and junior or senior standing.

CJ 4013 - Elements Of Criminal Offenses

Elements of Criminal Offenses examines the foundations of American jurisprudence and the enactments of criminal offense statutes. The elements of crimes against persons, morality, alcohol/drug offenses, white collar, organized crime, offenses against public health, offense against public order and offenses against justice and public order will be reviewed in detail. The course material will also examine other miscellaneous crimes, statutes and important appellate court cases. Prerequisite(s): ENG 1113, 1213, CJ 3423. Junior or senior standing.

CJ 4023 - Modern Criminal Investigations

Modern Criminal Investigation is designed to combine the practical and theoretical aspects of criminal investigations. Students will develop an analytical and practical understanding of the investigative processes and explore crime solving technology and techniques. Prerequisite(s): ENG 1113, 1213, CJ 3423. Junior or senior standing.

CJ 4033 - Critical Issues In Criminal Justice

The object of this course is to present to the student major critical issues facing the criminal justice system in America. Major emphasis will be placed on the making of criminal law, police power in a democratic society, problems within the court and the correctional process in America. The course intends to develop an understanding in depth on the part of the student concerning major critical issues in the area of criminal justice. Prerequisite(s): ENG 1113 and 1213.

CJ 4043 - Introduction to Criminal Justice Statistics

Introduction to Criminal Justice Statistics is designed as an introduction to statistics and their application in criminal justice research. The focus of the course is to help students identify and understand how statistics are used to describe data and make inferences about the relations between variables. Students will learn descriptive techniques and statistical procedures for decision-making. Prerequisite(s): ENG 1113, 1213, CJ 1413 with junior standing or above. Enrollment open to Criminal Justice majors only.

CJ 4063 - Innovation In Corrections And Penology

This course will be designed to explain the needs for research and the interpretation of data in the criminal justice system. Emphasis will be placed on planning, interpretation, implementation, and evaluation of programs in corrections and penology. The remainder of the course will focus on new and innovative programs in corrections and penology. Prerequisite(s): ENG 1113 and 1213.

CJ 4113 - Research Methods In Criminal Justice

Research Methods in Criminal Justice is primarily designed to acquaint students with quantitative and qualitative research methodologies, including an in-depth analysis of the following: conceptualization of research, type of sampling strategies, data collection methods, research design and proposal writing. Prerequisite(s): ENG 1113, 1213, 1313 (CJ 1413 and SOC 3633 with minimum grades of "C"). Enrollment open to criminal justice majors only with senior standing.

CJ 4123 - The Jury System

This course is designed to provide an indepth study of the processes and procedures of a jury trial in the American criminal justice system. The course will cover: the origin of juries, how jury panels are developed, how juries are selected, the criminal trial court procedures during trial, the legal rights of an accused during a trial, a brief overview of the appellate court system for criminal cases. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

CJ 4143 - Family Violence Investigations

This course will cover law enforcement/social service agency investigations of family violence and provide an overview of the many facets, characteristics and theories of family violence, including but not limited to, child abuse/neglect, elder abuse/neglect, domestic violence (spousal & non-spousal), dating violence and date rape. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

CJ 4203 - Dangerous/Violent Offenders

This course presents the characteristics, behaviors, and attitudes of violent offenders with particular emphasis on sex offenders. The areas of domestic violence, pedophilia, sexual assault, and mass and serial murder comprise separate sections of the course. Prerequisite(s): ENG 1113, 1213, SOC 3633.

CJ 4213 - Drug Dependency and Crime

This course examines major categories of drugs that are sold and abused in America. The history of drug use, legislation and enforcement, sociology and psychology of drug abuse and drug abuse prevention/treatment will be included. Prerequisite(s): ENG 1113 and 1213. Junior standing or above.

CJ 4323 - Victimology

Victimology is designed to provide a complete and integrated study of victimization, including a comprehensive review of the history and theories of victimology, the interaction of crime victims with others in the criminal justice system, an in-depth examination of current as well as classical works in the field and a focus on victim services. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

CJ 4413 - Delinquent Child Law

Delinquent Child Law is an in-depth study of the evolution of the laws affecting juveniles, Oklahoma and federal juvenile statutes, develop-

ment of the juvenile court structure, terminology unique to the juvenile legal system and processes and legal procedures of juvenile courts in Oklahoma and the United States. Prerequisite(s): ENG 1113 and 1213.

CJ 4423 - Child Abuse And Neglect Law

This course is designed to give the student an overview of the development of unique terminology, institutions, social service agencies, police units, procedures and courts to protect abused/neglected children in Oklahoma and the United States. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

CJ 4433 - Oklahoma Juvenile Correctional System

This course is a comprehensive survey of the Oklahoma juvenile correction system. Included will be a review of the statutes creating, regulating and dictating the agency, institutions, infrastructure, processes, treatment procedures and personnel of various institutions and agencies. Prerequisite(s): ENG 1113, 1213, SOC 4573, CJ 4413, 4423. Junior or senior standing.

CJ 4443 - International Juvenile Systems

This course is designed to give the student an overview of various international juvenile systems and explore how those countries deal with juvenile delinquents and other juveniles in comparison to juvenile court procedures and laws in the United States. Prerequisite(s): ENG 1113, 1213, SOC 4573, CJ 4413, 4423, 4433. Junior or senior standing.

CJ 4523 - Cyber Crime

This course provides an introduction to the investigation of computer crime and the forensic examination of digital evidence. This course involves intensive study of the history and terminology of computer crime; the types of crimes committed in cyberspace; a behavioral profile of computer offenders; legal issues in cyberspace; the proper collection and preservation of digital evidence, and an overview of computer forensics. Prerequisite(s): ENG 1113, 1213, CJ 1413. Junior or senior standing.

CJ 4533 - White Collar Crime

White Collar Crime will broaden students' understanding of crime by focusing specifically on this type of crime. Emphasis will be placed on the following: definitional debates about white collar crime, the complex nature of victimization, offender sentencing issues, and difficulties inherent in the criminal justice system response to white collar crime. Prerequisite(s): ENG 1113, 1213, (CJ 1413 or LS 3113) with a minimum grade of "C". Junior or senior standing.

CJ 4633 - Terrorism & Homeland Security

This course is designed to provide students with an overview of the historical and current context of international and domestic terrorism using a criminological and criminal justice framework. The course will explore terrorist ideologies, existing and potential terrorist threats, and an analysis of recent terrorist attacks. The course will include discussions of the development of the Department of Homeland Security, the Patriot Act, and the role of the criminal justice system in balancing the protection of the United States and the security of civil liberties. Prerequisite(s): ENG 1113, 1213, CJ 1413. Junior or senior standing.

CJ 4713 - Community-Based Corrections

This course is designed to give the student a comprehensive survey of community-based corrections in Oklahoma and the United States, including probation, parole, halfway houses, work furlough programs and other components of community-based corrections. Prerequisite(s): ENG 1113, 1213, CJ 4703. Junior or senior standing.

CJ 4723 - Critical Issues In Corrections

This course is designed to give the student a comprehensive survey of the controversial issues in Oklahoma and American corrections, including but not limited to: rehabilitation v. punishment; shaming, electronic monitoring, boot camps, privatization; community supervision v. incarceration, drug offender incarceration v. treatment, white

collar offenders, death penalty for adults and juveniles, coed institutions, incarceration of pregnant women and other issues in the field of corrections. Prerequisite(s): ENG 1113, 1213, CJ 4703. Junior or senior standing.

CJ 4813 - Oklahoma Adult Correctional System

This course is a comprehensive survey of the Oklahoma adult correction system. Included will be a review of the statutes creating, regulating and mandating the infrastructure, processes, procedures and personnel of various institutions and agencies. Prerequisite(s): ENG 1113, 1213, CJ 4703, 4063, and 4723. Junior or senior standing.

CJ 4823 - International Correction Systems

This course is a survey of various correction systems in the world, including England, France, Sweden, Japan, Russia, China and will include a comparison to corrections in Oklahoma and the United States. The correction systems will be explored in the context of the political, historical, organizational and procedural context for the various countries. Prerequisite(s): ENG 1113, 1213, CJ 4703, 4713, 4723, and 4813. Junior or senior standing.

CJ 4900 - Practicum In Criminal Justice

Credit will vary from 1 to 4 hours. Field experience in criminal justice related situations. Prerequisite(s): ENG 1113 and 1213.

CJ 4910 - Seminar In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

CJ 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CJ 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Study completed on individual basis covering material specified by the instructor. Prerequisite(s): ENG 1113 and 1213.

CJ 4940 - Field Study In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213. Enrollment is open to criminal justice majors only with senior standing.

CJ 4950 - Internship In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Supervised practical experience gained in a professional field by an advanced student. Prerequisite(s): ENG 1113 and 1213.

CJ 4960 - Institute In Criminal Justice

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Assignments are given and students receive normal letter grades. Prerequisite(s): ENG 1113 and 1213.

CJ 4970 - Study Tour In Criminal Justice

Credit will vary. Subject matter will vary within the department's field of study. An enrollment associated with educational travel organized through university faculty. Such enrollment may be for credit or audit. Prerequisite(s): ENG 1113 and 1213.

COMPUTER SCIENCE (CMSC) Department of Computer Science

CMSC 1053 - Professional Computer Applications & Problem Solving

This course provides a hands-on introduction to current professional computer applications such as word processing, spreadsheets, Web

authoring and presentation. Essential concepts of computer hardware, software, network and security issues are covered. Special attention is devoted toward problem solving using software applications in both personal and workplace computing environments. Legal and ethical issues related to the use of computers are also addressed.

CMSC 1103 - Introduction To Computing Systems

This course includes the history of computers, microcomputers, stored program principles, hardware organization, number systems, types and uses of computers, programs and programming, terminology of the trade and an introduction to time-sharing. Prerequisite(s): Two years high school algebra.

CMSC 1503 - Introduction To Programming For Non-majors

Introductory visual programming concepts are presented. Topics for this class include how to write Windows type programs, basic concepts of how a computer runs a program, algorithm development, simple database access and designing a graphical user interface. This course is recommended for people who are not majoring in computer science but would like an introductory course in writing programs. Prerequisite(s): 2 years of high school algebra.

CMSC 1513 - Beginning Programming

This course includes an introduction to programming concepts, problem identification and problem solving techniques. A specific computer language will be used for the implementation of the problem solving process, and programming assignments will be given so the student can demonstrate mastery of the language and the problem solving techniques used. The section listings will specify the computer language to be used as Beginning Programming (language): for example Beginning Programming (Pascal). Prerequisite(s): 2 years high school algebra.

CMSC 1521 - Beginning Programming Lab

This is a laboratory for CMSC 1513 Beginning Programming. It allows students to practice basic programming techniques using a specific computer language. Prerequisite(s): CMSC 1513 or concurrent enrollment.

CMSC 1613 - Programming I

Programming I introduces basic computer programming language constructs. Scalar and aggregate data types are discussed. Expressions, assignment, selection and iteration statements, and subprograms are presented. Prerequisite(s): (MATH 1513 or 1555) and (CMSC 1513 or Advanced Placement high school programming course).

CMSC 1621 - Programming I Laboratory

This is a laboratory for CMSC 1613 Programming I. It allows students to practice programming with basic computer language constructs. Prerequisite(s): CMSC 1613 or concurrent enrollment.

CMSC 1713 - COBOL

This course is a study of the syntax and semantics of the COBOL language with emphasis on structured design and structured programming techniques. Prerequisite(s): CMSC 1053 or CMSC 1103 or CMSC 1513 or written permission of instructor.

CMSC 2000 - Topics In Computing Science

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

CMSC 2123 - Discrete Structures

Discrete Structures introduces the theoretical foundation for the discipline of computer science and its application to computing. Prerequisite(s): CMSC 1613.

CMSC 2413 - Visual Programming

This course is an introduction to graphical user interfaces, event driven programming and windows on-screen objects such as command buttons, text boxes, option buttons and graphics. Programming projects

will require students to design interactive screens as well as code subroutines to implement the programs. Prerequisite(s): CMSC 1513 or 1503.

CMSC 2613 - Programming II

Programming II introduces students to common programming components including stacks, queues, lists, and trees. Time complexity and algorithm analyses are discussed and applied to sorting algorithms. Prerequisite(s): CMSC 1613.

CMSC 2621 - Programming II Laboratory

This is a laboratory for CMSC 2613 Programming II. It allows students to practice with common programming components and algorithms. Prerequisite(s): CMSC 2613 or concurrent enrollment.

CMSC 2813 - Assembly Language Programming

This course provides an introduction to the hardware organization of a chosen computing machine and to assembly language programming on that machine. Prerequisite(s): CMSC 1613.

CMSC 2833 - Computer Organization I

The study of computer organization will include digital logic and digital systems, machine level representation of data and instructions, assembly language level machine organization, and memory system organization. Prerequisite(s): CMSC 1613 with a minimum grade of "C".

CMSC 2913 - Advanced COBOL

This course is a continuation of CMSC 1713. Topics covered in this course include the use of multi-dimensional tables, how to use subroutines, sequential and indexed file handling, and accessing databases. Prerequisite(s): CMSC 1713. Sophomore, junior or senior standing.

CMSC 3000 - Workshop In Computing Science

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CMSC 3103 - Object Oriented Software Design & Construction

This course introduces principles and practices of object oriented software design and implementation. Also introduced are concepts of design patterns. Prerequisite(s): CMSC 2613. Junior or senior standing.

CMSC 3303 - Systems Analysis And Design

This course examines the spectrum of requirements for the design, planning, and implementation of computer systems. Through case studies, students will analyze existing situations in order to propose new systems solutions. Credit may not be earned for both CMSC 3303 and CMSC 4283. Prerequisite(s): CMSC 2413 or 2613. Junior or senior standing.

CMSC 3413 - Advanced Visual Programming

This course is a continuation of material covered in CMSC 2413, Visual Programming. Concepts and techniques used in designing and writing programs using a graphical user interface to implement sophisticated applications are presented. Areas of study include multiple document interfaces (MDI), database access including client/server systems, building and using classes, the use of web forms, and the use of data collections. Prerequisite(s): CMSC 2613 and instructor permission. Junior or senior standing.

CMSC 3613 - Data Structures & Algorithms

This course is a continuation of Programming II and is a study of more efficient algorithms for storing and retrieving information. The theory and application of graphs are presented. Time and space complexity analyses are performed on all algorithms. Prerequisite(s): CMSC 2123 and 2613 and MATH 2323 and (STAT 2103 or 2113 or 4113).

CMSC 3621 - Data Structures/Algorithms Lab

This is a laboratory for CMSC 3613 Data Structures & Algorithms. It allows students to practice programming with efficient algorithms for storing and retrieving information. Prerequisite(s): CMSC 3613 or concurrent enrollment.

CMSC 3833 - Computer Organization II

The study of computer organization will be a continuation of Computer Organization I and will include memory system architecture, interfacing and communication of computer elements, functional organization, multiprocessing and alternate architectures, and performance enhancements. Prerequisite(s): CMSC 2833 and 2613 with a minimum grade of "C".

CMSC 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CMSC 4003 - Applications Of Database Management

This course covers the integration of theory and practice in the use of current database systems and the access of those systems. The course covers the relational and E-R models for database organization. Topics presented in this course include query languages (e.g. SQL), normalization, database integrity and security, file access methods, query processing, transaction processing, and backup/recovery. Credit may not be earned for both CMSC 4003 and ISOM 4263. Prerequisite(s): CMSC 2613 and MATH 2313 and (STAT 2103 or 2113 or 4113). Junior or senior standing.

CMSC 4023 - Programming Languages

The course provides a study of the underlying concepts of programming languages such as automata, grammars, translation, bindings, scope, data types, control, subprogramming, concurrency, and exception handling. Languages representing contrasting paradigms are studied. Prerequisite(s): CMSC 3613. Senior standing.

CMSC 4063 - Networks

The course is a study of local and wide area networks and their implementations. Included is the theory governing layered network architectures, the ISO-OSI communications interface, the TCP/IP protocol, packet transmission, error-correction techniques, addressing and routing, and the use of existing communications software. Prerequisite(s): CMSC 3613.

CMSC 4133 - Concepts Of Artificial Intelligence

This course is a study of the basic concepts and techniques of artificial intelligence or intelligent systems. Some of the topics covered are search techniques, heuristics, expert systems, systems of logical inference, methods of representing knowledge, and AI programming. Prerequisite(s): CMSC 3613. Senior standing.

CMSC 4153 - Operating Systems

This course is a study of operating system theory. Topics include process management, mutual exclusion between concurrent processes, process deadlock, scheduling strategies, management of real, virtual, and external memories, parallel processing, and network systems. Prerequisite(s): CMSC 3613.

CMSC 4173 - Translator Design

Translator Design introduces the principles, tools and techniques used to design a programming language compiler. Topics covered include lexical, syntax, and semantic analysis, finite automata, regular expressions, LL and LR grammars, type systems and checkers, code generation, interpreters, optimization and code improvement. Prerequisite(s): CMSC 3613. Senior standing.

CMSC 4193 - Introduction to Robotics

This course discusses the programming of mobile robots. It includes applications of robots, sensors, actuators, types of locomotion, robotic

programming (including multi-threaded programming, behavior-based arbitrator programming, and the hybrid deliberative/reactive model), and simultaneous location and mapping (SLAM). Prerequisite(s): CMSC 3613 and junior or senior standing.

CMSC 4273 - Theory Of Computing

Theory of Computing is a study of computation theory encompassing three broad categories: formal languages and automata theory, computability theory, and complexity theory. The topics covered include Turing machines, finite automata, nondeterminism, pushdown automata, decidability, and NP-completeness. Prerequisite(s): CMSC 3613.

CMSC 4283 - Software Engineering I

This course covers the application of engineering and management disciplines to computer software projects. Topics discussed are the software lifecycle, CASE tools, requirement engineering, software models and architectures, software design and development, testing and validation, maintenance and evolution, project organization, management and cost estimation, and software quality assurance and risk analysis. Credit may not be earned for both CMSC 3303 and CMSC 4283. Prerequisite(s): CMSC 2613 and MATH 2313 and (STAT 2103 or 2113 or 4113).

CMSC 4303 - Mobile Application Programming

Theory and practice of mobile application programming are studied, which includes the study of mobile computing platforms, mobile user interfaces, animation, graphics, and the use of the media framework and telephony APIs. Extensive practice on a specific mobile development platform is included. Prerequisite(s): CMSC 3103.

CMSC 4323 - Computer and Network Security

This course examines principles of computer and network security. Topics include security principles, application security, web security, cryptography and its applications, network security, and privacy issues. Students will learn practical knowledge and skills to identify and defend against security threats. Prerequisite(s): CMSC 3613 and junior or senior standing.

CMSC 4373 - Web Server Programming

Theory and practice of web server-side programming, including materials on presentation logic, business logic, session control, and database management are studied. Extensive practice in a specific server-side programming language is included. Prerequisite(s): CMSC 3103 with a minimum grade of "C".

CMSC 4383 - File Structures

File structures is a study of the physical characteristics of direct storage devices and the data structures that provide for efficient storage and access of data. It includes analysis of the efficiency of the access methods with respect to the time and space requirements. Prerequisite(s): CMSC 3613.

CMSC 4401 - Ethics in Computing

Ethics in Computing is a study of social, ethical, and professional issues related to computing. Prerequisite(s): CMSC 3613 and junior standing or above.

CMSC 4423 - Software Engineering II

This course covers all aspects of software engineering with emphasis on requirements elicitation and analysis, software testing, and project management. Prerequisite(s): CMSC 4283 and junior or senior standing.

CMSC 4513 - Software Design & Development

Software Design and Development is the capstone course in computer science. Students have an opportunity to demonstrate and integrate skills acquired in their program of study to a project. Oral and written presentation of project concepts is emphasized. Students are required to complete the department's assessment instrument. Prerequisite(s): CMSC 4003 and (4283 or 3303), senior standing.

CMSC 4843 - Methods Of Teaching Computing

This course covers problems, materials, and methods in the teaching of computer science in the secondary school. Prerequisite(s): MATH 1643.

CMSC 4900 - Practicum In Computing Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

CMSC 4910 - Seminar In Computing Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): CMSC 3613.

CMSC 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CMSC 4930 - Individual Study

Credit will vary from 1 to 4 hours. Directed study in various problem areas and applications of computers and the computer sciences. May include working in a computer installation. Prerequisite(s): 9 hours of computer science and written permission of instructor.

CMSC 4950 - Internship In Computer Science

Credit will vary from 1 to 8 hours.

CMSC 4960 - Institute In Computing Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

CMSC 4970 - Study Tour In Computer Science

Credit will vary. Subject matter will vary within the department's field of study.

CREATIVE STUDIES (CSDY)**Department of English****CSDY 2000 - Topics In Creative Studies**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CSDY 3000 - Workshop In Creative Studies

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CSDY 3573 - Fundamentals Of Creative Writing I

This course is designed primarily for students seriously interested in creative composition, poetry, the short story, novel, playwriting, and scenario forms.

CSDY 3583 - Fundamentals Of Creative Writing II

A more advanced course dealing with the more complex problems in creative composition: poetry, the short story, novel, playwriting, and scenario forms.

CSDY 3990 - Advanced Topics

Credit will vary from 1 to 3 hours.

CSDY 4273 - Writing The Novel

This is a continuation of CSDY 3593 and 4253, aiding the student in the final structuring and composition of his writing project. A third 100 pages of polished copy is required and student work is analyzed against exemplary materials for publication submissions.

CSDY 4313 - Writing Mystery/Adventure

The student will read popular and classic adventure/mystery stories and write creatively in both genres. Prerequisite(s): CSDY 3573.

CSDY 4353 - Creating The Poem

Students will learn to analyze poetry in terms of tone, persona, literal and figurative imagery, arrangement, symbolism, allusion, myth and archetype, sound and devices used to achieve the desired effect, poetic forms, and various styles. Students will write poetry in many different forms and styles. Prerequisite(s): Junior/senior standing.

CSDY 4413 - Writing For Children

Writing for children allows students to try writing for various age groups from infants through young adults. The course looks at the history of writing for children and the psychology of learning to read. Award winning books and authors will be studied, and the habits of successful writing will be explored. Prerequisite(s): Junior/senior standing.

CSDY 4423 - Writing Comedy and Satire

Writing Comedy and Satire provides students with a comprehensive overview of contemporary comic and satiric writing. Students enrolled in this course will read contemporary comic and satiric literature, will study and practice the techniques of effective comic and satiric writing, and will produce original comic and satiric works in a variety of genres. This course may be taken three times for credit. Prerequisite(s): ENG 1113 and ENG 1213.

CSDY 4443 - Writing The Contemporary Novel

The student will read popular and bestselling novels and write the first three chapters of a novel. The student will read and prepare a report analyzing a contemporary novel. Prerequisite(s): CSDY 3573.

CSDY 4513 - Playwriting

The student will read popular play scripts, view live play productions, and write creatively in the dramatic genre. Prerequisite(s): CSDY 3573.

CSDY 4523 - Screenwriting

The student will read contemporary screenplays, view popular movies, and write creatively in the screenplay genre. Prerequisite(s): CSDY 3573.

CSDY 4533 - Writing For Television

The student will read popular television scripts, view and analyze television shows, and write creatively in the television genre. Prerequisite(s): CSDY 3573.

CSDY 4573 - Writing for Movies/TV/Stage

Writing for Movies, Television and Stage is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of the history, composition, revision and marketing of dramatic writing, with specific attention to the writing of screenplays, teleplays and stage plays. Prerequisite(s): ENG 1113 and ENG 1213.

CSDY 4583 - Writing SciFi/Fantasy

Writing Science Fiction and Fantasy is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of the history, composition, revision and marketing of works of science fiction and fantasy literature. Prerequisite(s): ENG 1113 and ENG 1213.

CSDY 4723 - Writing Comic Books and Graphic Novels

Writing Comic Books and Graphic Novels is an intensive, workshop-based creative writing course that provides students with a comprehensive overview of all aspects of the history, composition, revision, and marketing of comic books and graphic novels. Prerequisite(s): ENG 1113 and 1213

CSDY 4893 - Creative Writing Capstone

Creative Writing Capstone provides senior English-Creative Writing majors with the opportunity to complete a capstone project in the discipline, and it supports students as they prepare to enter the workforce or

to pursue graduate study. Prerequisite(s): 15 hours of CSDY including CSDY 3573 and CSDY 3583. Senior standing. Enrollment open to English-Creative Writing majors only.

CSDY 4900 - Practicum In Creative Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CSDY 4910 - Seminar In Creative Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CSDY 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

CSDY 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

CSDY 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

CSDY 4950 - Internship In Creative Studies

Credit will vary from 1 to 8 hours.

CSDY 4960 - Institute In Creative Studies

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

CSDY 4970 - Study Tour In Creative Studies

Credit will vary. Subject matter will vary within the department's field of study.

CAREER, TECHNICAL, AND WORKFORCE DEVELOPMENT (CTWD)

Department of Adult Education and Safety Sciences

CTWD 3023 - Introduction to CTWD

The Introduction to Career, Technical, and Workforce Development course focuses on the study of the development of career, technical, and workforce development with emphasis on historical development, definition, teaching/training basic skills, and promoting career development.

CTWD 4112 - Career & Technology Student Organizations

This course is designed to give the student an understanding of the philosophy of career and technology student organizations and how to supervise activities, guide participation, and prepare members in those organizations for leadership roles.

CTWD 4203 - History & Philosophy of CTWD

This course examines the history and philosophies associated with Career, Technical, and Workforce Development in the United States and Oklahoma, and the theorists that have helped develop the ideology.

CTWD 4233 - Curriculum Design for CTWD

The Curriculum Design for Career, Technical, and Workforce Development course will provide students with the knowledge and skills needed to create curriculum for relevant course content for Career, Technical, and Workforce Development in comprehensive schools, technology centers, community colleges, and business and industry. It will focus on setting curriculum goals and objectives and developing a course description, syllabus, and instructional materials.

CTWD 4242 - Organization & Administration of Health Occupations

Basic principles, philosophy and rationale underlying the organization and administration of health occupations education programs with

special attention directed toward the competencies involved in program planning, development, evaluation, instructional management, and professional role development. Prerequisite(s): Health professional.

CTWD 4253 - Safety, Organization, & Management of CTWD

The Safety, Organization, and Management of Career, Technical, and Workforce Development course focuses on the principles, philosophies, and rationale of safety, organization, and program management of the Career, Technical, and Workforce Development classroom and laboratory/clinical environments.

CTWD 4352 - Accommodating Special Needs Students

This course will provide the participant with an explanation of the occupational instructor's roles and responsibilities in special education students' Individualized Education Programs (IEP). In addition, a discussion of the "how-to" for accommodating instruction, media, materials, equipment, work stations and facilities will be provided. Finally, securing work-site learning opportunities and job placement strategies will be discussed. Prerequisite(s): OCTE 4253 or CTWD 4253.

CTWD 4403 - Contemporary Issues in CTWD

This course is a study of contemporary issues and competencies inherent in the operation of a program in Career, Technical, and Workforce Development. Prerequisite(s): Written permission of instructor.

CTWD 4423 - Planning, Development, & Evaluation of CTWD

This course provides for the examination of techniques for the evaluation of the planning, designing, delivery, and assessment of Career, Technical, and Workforce Development programs.

CTWD 4622 - Integration & Transition Opportunities

This course is designed to assist occupational and technical educators integrate academics and implement education to employment activities into their programs. It explains pertinent legislation, outlines employers' entry-level worker goals, reviews education-to-work educational experiences at various grade levels, and offers strategies for integrating more academics into vocational programs. Prerequisite(s): OCTE 3023 or CTWD 3023.

CTWD 4631 - Legal/Professional Issues in CTWD

This course provides an examination of legal and professional issues facing contemporary Career, Technical, and Workforce Development teachers/trainers.

CTWD 4653 - Managing a BITE Program

This course is designed to assist students with the management techniques to successfully facilitate a project-based Business and Information Technology Education (BITE) program. The course will provide the student with information on the importance of learning styles, business ethics and multi-cultural differences among learners. The course will discuss the following: the process for selecting equipment and materials, how to design a multi-use technology lab, the importance of incorporating School-to-Career (Work) activities, implementation of industry-validated duty/task requirements, the development of an individual professional development plan, the marketing tools needed to promote your program, how to implement the use of an advisory committee for program effectiveness and organize/manage the work flow, and implementation of industry credentialing in your program and for yourself. Prerequisite(s): Junior or senior standing.

CTWD 4663 - Technology Center Finance

This course presents concepts and bases for funding public career and technology educational programs. Participants in the course will analyze funding sources, processes, distributions, and accountabilities as well as identify accounting practices and requirements.

CTWD 4842 - Capstone in CTWD

This course provides senior students with a capstone experience to assist them with the transition into the teaching field in Career,

Technical, and Workforce Development. Prerequisite(s): OCTE 4112 or CTWD 4112, OCTE 4203 or CTWD 4203, OCTE 4403 or CTWD 4403, OCTE 4233 or CTWD 4233, and OCTE 4853 or CTWD 4853. Senior standing.

CTWD 4853 - Methods of Teaching for CTWD

The Methods of Teaching in Career, Technical, and Workforce Development course provides for the examination of the selection and implementation of instructional strategies for Career, Technical, and Workforce Development.

CTWD 4892 - Directed Observation in CTWD

The Directed Observation in Career, Technical, and Workforce Development course is designed to assist the new CTWD teacher/trainer hired directly from industry. It will provide opportunities to witness various instructional methodologies, classroom/lab management procedures, teacher/trainer-student interaction, disciplining strategies, and everyday teacher/trainer decision making. Prerequisite(s): Student must be teaching as a certified teacher.

DANCE (DANC) Department of Dance

DANC 1113 - Dance Appreciation

This course is a survey of primitive, classical and contemporary dance forms and their interrelationship with cultural development and other art forms.

DANC 1621 - Beginning Tap Dancing

In this course the student will learn the fundamentals of tap dancing. The course covers terminology, basic steps, history, and style. This course does not count for P.E. activity credit. It is cross listed with MUS 2321. Credit may be earned in only one of these courses.

DANC 1651 - Beginning Folk Dance

This course is the study and practice of selected folk dances of several countries including basic skills and historical background of the dances taught. Does not count for P.E. activity credit.

DANC 2000 - Topics Of Dance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Does not count for P.E. activity credit.

DANC 2111 - Performing Dance

This course requires the participation in a university performing dance group. It may be taken four (4) times for credit. Does not count for P.E. activity credit. Prerequisite(s): Written permission of instructor required.

DANC 2332 - Movement Analysis in Dance

This course will explore the theories and concepts of Laban Movement Analysis and Bartenieff Fundamentals. Laban Movement Analysis (LMA) is a theoretical framework and language for describing movement. Bartenieff Fundamentals (BF) is an organized system that focuses on movement integration in order to facilitate functional and efficient movement experiences. Prerequisite(s): Instructor permission. Enrollment open to Dance, Theatre Arts and Music Theatre majors only.

DANC 2431 - Beginning Ballet

This course is the study and practice of the basic techniques of ballet performed at the barre, center, and across the floor. Does not count for P.E. activity credit.

DANC 2441 - Beginning Jazz/Theatre Dance

This course is the study and practice of the basic jazz technique, body isolation exercises, and turns used in modern jazz. It includes techniques of various jazz styles used in theatre dance. Does not count for P.E. activity credit.

DANC 2451 - Beginning Modern Dance

This course is the study of rhythmic body movement which may be used to express ideas, emotions and experiences in individual and group compositions. Does not count for P.E. activity credit.

DANC 2481 - Intermediate Ballet

This course is a study of ballet technique at the intermediate level with more emphasis on steps, beats, turns and combinations. This course may be taken two times for credit. Prerequisite(s): DANC 2431 or written permission of instructor.

DANC 2491 - Intermediate Jazz/Theatre Dance

This course is a continuation of the study of jazz technique. The course will focus on correct techniques, proper execution of turns, and dance composition and choreography. This course may be taken two times for credit. Prerequisite(s): DANC 2441 or written permission of instructor.

DANC 2501 - Intermediate Modern Dance

This course is a continuation of the study of modern dance as a fine art form with emphasis on intricate locomotor patterns, complex floor work and strengthening techniques. This course may be taken two times for credit. Prerequisite(s): DANC 2451 or written permission of instructor.

DANC 2512 - Modern Dance I

This course is the study of modern dance technique with an emphasis on movement efficiency, proper alignment, and the development of coordination, strength, flexibility and skill acquisition. This course may be taken three times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 2522 - Modern Dance II

This course is the second stage of modern dance technique with a stronger emphasis on proper movement fundamentals and technical skills with further exploration of movement styles. This course may be taken three times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 2592 - Creative Dance For Children

This course is the study of methods, techniques, and materials used in teaching creative dance to children from ages 4 to 13. Does not count for P.E. activity credit.

DANC 2621 - Intermediate Tap Dancing

This course is the continuation of beginning tap dancing. It will include more advanced steps, transition steps, ensemble, and solo work. This course is cross listed with MUS 2331. Credit may be earned in only one of these courses. Does not count for P.E. activity credit. Prerequisite(s): DANC 1621.

DANC 2642 - Intermediate Dance II

This course will focus on dance techniques at the intermediate level with an emphasis on technical studies that will prepare students for the advanced dance coursework. Course topics will be selected from modern, ballet, or jazz. This course may be taken 3 times for credit. Prerequisite(s): Instructor permission.

DANC 2712 - Jazz I

This course is the study of jazz technique with an emphasis on correct technique, body placement, and the proper execution of jazz steps and combinations. This course may be taken three times for credit. This course replaces DANC 2711. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 2722 - Jazz II

This course is the second level of jazz techniques with a stronger emphasis on proper movement fundamentals with further exploration of intricate jazz steps, styles, and technical proficiency. It may be taken 3 times for credit. This course replaces DANC 2721. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 2731 - Advanced Tap Dancing

This course is the study of tap dancing at an advanced level with emphasis on technique, body placement, intricate rhythms and advanced combinations. Prerequisite(s): DANC 2621 or written permission of instructor.

DANC 2892 - Dance Improvisation

This course will focus on movement exploration through experimentation with the basic elements of dance. This course replaces DANC 2891. Does not count for P.E. activity credit. Prerequisite(s): DANC 2451.

DANC 2912 - Ballet I

This course is the study of ballet technique with an emphasis on correct technique, body placement, and the proper execution of basic ballet steps and combinations. This course may be taken three times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 2922 - Ballet II

This course is the second level of ballet technique with a stronger emphasis on proper movement fundamentals and further exploration of intricate ballet steps and technical proficiency. This course may be taken three times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 3000 - Workshop In Dance

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

DANC 3101 - Rhythm Analysis in Dance Forms

This course is a study of practices for rhythm and musical forms as they relate to dance in various cultures.

DANC 3432 - Dance Composition

This course includes specific compositional studies emphasizing principles of basic design and the elements of space, time, energy, and motion. This course replaces DANC 2991. Prerequisite(s): DANC 2892.

DANC 3442 - History & Phil of Dance I

This course is a study of the history and philosophy of pre-twentieth century dance forms and how they influenced the development of contemporary concert and cultural dance. Prerequisite(s): Junior level standing and written permission of instructor.

DANC 3532 - Modern Dance III

This course is the third level of modern dance technique with an emphasis on endurance, skill acquisition, and technical performance. It may be taken three (3) times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 3572 - Materials And Methods In Dance

This course is the study of methods, techniques, and materials used in teaching modern dance, ballet, and jazz. Prerequisite(s): Written permission required.

DANC 3932 - Ballet III

This course is the third level of ballet technique with an emphasis on advanced technical skills, terminology, and performance skills. It may be taken three (3) times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 3990 - Advanced Topics in Dance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DANC 4111 - Performing Dance

This course requires the participation in a university performing dance group. It may be taken four (4) times for credit. This course replaces DANC 2111. Prerequisite(s): Written permission required.

DANC 4433 - Dance Composition II

This course continues the study of dance composition with a focus on the skills and tools necessary to create a complete choreographic work.

DANC 4442 - History & Phil of Dance II

This course is a study of the history and philosophy of post twentieth century dance forms and how they influenced the development of contemporary concert and cultural dance. Prerequisite(s): DANC 3442 and junior or senior standing.

DANC 4542 - Modern Dance IV

This course is the fourth level of modern dance technique incorporating proper stretching, strengthening and rehabilitating warm-ups, conditioning, and dance training theory for professional occupations in dance. It may be taken three (3) times for credit. Prerequisite(s): Instructor permission. Enrollment open to dance majors only.

DANC 4712 - Jazz III

This course is the third level of jazz technique with an emphasis on advanced technical skills, terminology, and performance skills. This course may be taken three times for credit. This course replaces DANC 4711. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 4722 - Jazz IV

This course is the study of jazz technique at the fourth level with more emphasis on performance skills and self mastery of advanced jazz techniques. It may be taken three (3) times for credit. This course replaces DANC 4721. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 4893 - Senior Project in Dance

This course is the capstone experience in dance and will provide students with an opportunity to develop a culminating senior project which will allow students to explore unique and interdisciplinary projects. A final juried presentation of the work along with the research will be presented to the faculty and students. Prerequisite(s): Instructor permission. Senior standing. Enrollment is open to dance majors only.

DANC 4900 - Practicum In Dance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DANC 4910 - Seminar In Dance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DANC 4920 - Workshop In Dance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

DANC 4930 - Individual Study In Dance

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

DANC 4942 - Ballet IV

This course is the study of ballet technique at the fourth level with more emphasis on performance skills and self mastery of advanced ballet technique. This course may be taken three (3) times for credit. Prerequisite(s): Instructor permission. Enrollment is open to dance majors only.

DANC 4950 - Internship In Dance

Credit will vary from 1 to 8 hours.

DANC 4960 - Institute In Dance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

DANC 4970 - Study Tour In Dance

Credit will vary. Subject matter will vary within the department's field of study.

**DESIGN (DES)
Department of Design**

DES 1013 - Interior Design for Non-Majors

This course is an overview of interior design: terminology, the process of design, space planning, materials, and the presentation of effective design solutions for a variety of interiors.

DES 1023 - Design Foundations I

This course explores the technical aspects of the elements and principles of 2-dimensional composition and rendering. This course will develop the observational and rendering skills of the student through explorations of contour, mass, texture, shape, color, perspective, and composition. This is part of a required foundation sequence that will prepare students for DES 1043. Prerequisite(s): Enrollment is open to freshmen and sophomore declared design majors and minors only. Concurrent enrollment with DES 1033 is required. For interior design majors concurrent enrollment with DES 1121 is also required.

DES 1033 - Design Foundations II

This course, designed to work in tandem with Design Foundations I, will focus on the critical thinking and creative problem-solving strategies utilized in 2-dimensional design. Students will use the elements and principles of design to make meaning by creating mind maps, symbols, icons, and expressive typography. Presentation and craft will also be stressed. This is part of a required foundation sequence that will prepare students for DES 1053. Prerequisite(s): Enrollment is open to freshmen and sophomore declared design majors and minors only. Concurrent enrollment with DES 1023 is required. For interior design majors concurrent enrollment with DES 1121 is also required.

DES 1043 - Design Foundations III

This course is designed to emphasize the technical aspects of scale, volume, materials, color, and the illusion of 3-dimensional space in a 2-dimensional drawing. Students will complete projects that integrate all of these aspects in both the drawn and built environment. This course will further develop the observation and rendering skills of the student with an emphasis on craftsmanship. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors and minors only. Concurrent enrollment with DES 1053 is required. For interior design majors concurrent enrollment with DES 1412 is also required.

DES 1053 - Design Foundations IV

This course, designed to work in tandem with Design Foundations III, will continue to hone critical thinking, conceptual development, and craft in the 3-dimensional environment. Students will explore creativity within constraint through projects that require invention, innovative use of materials and teamwork. This course will culminate in a Freshman Portfolio Review. Prerequisite(s): DES 1023 and 1033. Enrollment open to design majors and minors only. Concurrent enrollment in DES 1043 is required. For interior design majors concurrent enrollment with DES 1412 is required.

DES 1063 - Innovation and Inquiry

This course will emphasize critical thinking and creative problem solving skills. Students will practice critical, creative and innovative inquiry. Students will experiment with a variety of problem solving methodologies to include: inductive and deductive reasoning, divergent thinking, systems thinking, lateral thinking and design thinking. This course will foster a culture of learning and discovery that will benefit students of all disciplines.

DES 1121 - Introduction to Interior Design

This lecture course provides an overview of the discipline and introduces students to fundamentals of drafting, space planning, concepts, principles and processes of Interior Design thereby enriching their experience of the interior environment. Prerequisite(s): Enrollment open to Interior Design majors only. Concurrent enrollment in DES 1023 and DES 1033 is required.

DES 1213 - History of Graphic Design I

This course is a survey of the history of art and graphic design and their shared histories from prehistoric to Victorian (1900's) including art and design movements, styles, artists and designers. Prerequisite(s): Enrollment open to design majors and students seeking a graphic design or art history minor.

DES 1412 - Fundamentals of Code Compliance

This course provides students with an introduction to building codes, regulations, ADA codes, life safety codes and assessments of access and human interaction with the built environment. Prerequisite(s): DES 1023, DES 1033, and DES 1121. Enrollment open to Interior Design majors only. Concurrent enrollment in DES 1043 and DES 1053 is required.

DES 1533 - Design in Global Culture

This course discusses the phenomenon of globalization and its impact on worldwide visual communication. Students are introduced to cross-cultural design, challenges, case studies, theories and resources. In this class students are required to contribute to class discussions and conduct research on topics such as global branding, cultural stereotyping, cultural sensitivity, cultural identities and other topics of global concern and relevance. This course is open to students from all majors.

DES 2000 - Topics In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 2053 - Illustration for Non-Majors

Students will investigate topics and questions dealing with illustration as visual communication and will research methods of rendering using a variety of media at the foundational level. In this class, students are required to contribute, interpret, investigate, create, and submit illustrations on a variety of illustrative projects and topics.

DES 2102 - Graphic Design For Non-majors

This course is an overview of graphic design; terminology, the process of design, and communicating with text and images. Prerequisite(s): This course is for non-graphic design majors only.

DES 2153 - Illustration I

This class examines the fundamental elements of design in illustration, materials and techniques. Students work in a variety of black and white media. Students are encouraged to focus on technical and compositional elements, while working through the design process to their final creative solution. Prerequisite(s): DES 1023, 1033, 1043 and 1053 with sophomore standing or above

DES 2163 - Typography

This studio course provides an introduction to the fundamentals of type, typographic design, and typographic communication. Course projects address font selection, layout formats, grid systems and letterform manipulation. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3133 (or concurrent enrollment) with a minimum grade of "C". Sophomore standing or above. Enrollment open to Graphic Design majors only.

DES 2213 - History of Graphic Design II

This course is a survey of the development of the history of art and graphic design and their shared histories from Victorian (1900's) to WWII (1945) including art and design movements, styles, artists and

designers. Prerequisite(s): DES 1213. Enrollment is open to graphic design majors and students seeking a graphic design minor.

DES 2223 - History of Design

This course will be a survey of design including the design of man-made objects and communication. It will include subjects such as movements, styles and influential designers throughout history. Prerequisite(s): Sophomore standing or above.

DES 2323 - Interior Design Studio I

This studio course introduces basic hand drafting techniques, space planning, and the implementation of codes in both residential and commercial applications. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412. Concurrent enrollment in DES 2333 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

DES 2333 - Visualization I

This studio course is designed to work in tandem with Interior Design Studio I and will focus on presentation techniques such as rendering, model building, perspectives, color boards, as well as written and oral communication. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412. Concurrent enrollment in DES 2323 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

DES 2343 - Materials and Textiles

This studio course will coordinate the study of surface materials and textiles with implementation in a variety of applications. Topics of interest will include performance characteristics, fire resistant qualities, acoustical properties, and fabrication and installation of materials and textiles for structural finishes and furnishings. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, and 1412. Enrollment open to Interior Design majors only with sophomore standing or above.

DES 2623 - Interior Design Studio II

This studio course will provide an introduction to lighting and its uses in commercial and residential applications. Topics to be addressed include lighting theory, emotive capabilities, life safety codes, lighting calculations, development of reflected ceiling plans, systems integration and electrical plans. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343. Concurrent enrollment in DES 2633 is required. Enrollment is open to Interior Design majors only with sophomore standing or above.

DES 2633 - Visualization II

This studio course, taken concurrently with Interior Design Studio II, will provide an introduction to computer aided design and drafting techniques used in interior design planning and communication. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343. Concurrent enrollment in DES 2623 is required. Enrollment open to Interior Design majors only with sophomore standing or above.

DES 2713 - Furniture Design

This studio course will apply the concepts, functions, materials, and construction techniques of furniture design. This course covers the design of environmental elements as well as craftsmanship, the application of materials to ideas, and the development of effective prototypes. Lectures and small-scale projects prepare students to solve furniture design problems using drafting and modeling techniques. Prerequisite(s): DES 1023, 1033, 1043, 1053, 1121, 1412, 2323, 2333, and 2343. Enrollment open to Interior Design majors only with sophomore standing or above.

DES 3000 - Workshop In Design

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

DES 3031 - Digital Illustration

This course is a study of digital illustration techniques using the Adobe Creative Suite. Students will learn how to create and modify imagery through standard and customizable tools within the software. Students will research computer illustrators and examine the variety of styles that are now possible with rendering software technology. Prerequisite(s): DES 1023, 1033, 1043, 1053 and (2153 or concurrent enrollment in 2153) with a minimum grade of "C". Enrollment open to Graphic Design majors and minors only with sophomore standing or above.

DES 3043 - History of Interior Design I

This course is a survey of the development of the history of art and interior design and their shared histories from antiquity through the Renaissance including art and design movements, styles, furniture, artists, and designers. Prerequisite(s): Enrollment open to design majors and students seeking an art history minor with sophomore standing or above.

DES 3133 - Computer Graphics I

In this course students will learn the basics of industry standard software tools to practice page layout, design, typography, illustration, photo manipulation and production for printed media. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2163 (or concurrent enrollment) with a minimum grade of "C".

DES 3143 - History of Interior Design II

This course is a survey of the development of the history of art and interior design and their shared histories from the Renaissance to 1900 including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 3043. Enrollment open to design majors only with sophomore standing or above.

DES 3173 - Graphic Design I

This studio course is an in-depth introduction to graphic design with an emphasis on the development of meaningful concepts and creative problem solving. Students will explore the possibilities of visual communication through the creation of symbols, expressive typography, magazine layouts, and information graphics. This course is structured for graphic design majors. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3133, and (2163 or concurrent enrollment in 2163) with sophomore standing. Enrollment open to graphic design or interior design majors and minors only.

DES 3213 - History of Graphic Design III

This course is a survey of the development of the history of art and graphic design and their shared histories from 1945 to present day including art and design movements, styles, artists and designers. Prerequisite(s): DES 1213 and 2213. Enrollment open to graphic design majors only.

DES 3263 - Character Design

Character Design examines the influences behind a character's form, function and motivation. This course considers how the application of universal archetypes may be used to create more meaningful and powerful characters in comics and graphic novels. An examination of comic, fantasy and surreal art genres will be conducted in order that anatomical rendering styles may be analyzed and applied for illustrated character development. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153 and (3853 or concurrent enrollment in 3853) with a minimum grade of "C" and sophomore standing or above. Enrollment open to Graphic Design majors and minors only.

DES 3273 - Interior Design Studio III

In this studio course, students will develop advanced projects with a variety of residential applications. Prerequisite(s): DES 2623, 2633, and 2713. Concurrent enrollment in DES 3283 is required. Enrollment open to Interior Design majors with junior or senior standing.

DES 3283 - Visualization III

This studio course, taken concurrently with Interior Design Studio III, will explore 3D modeling techniques. Prerequisite(s): DES 2623, 2633, and 2713. Concurrent enrollment in DES 3273 is required. Enrollment open to Interior Design majors only with junior or senior standing.

DES 3293 - Graphic Design II

This is an advanced portfolio development studio course with emphasis on design projects in print design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 2163, 3133 and 3173 with sophomore standing or above. Enrollment open to Graphic Design majors only. Departmental permission required.

DES 3333 - Sustainable Design

In this studio course, students will explore the environmental, economic, and social aspects of sustainability through application in a variety of residential and commercial projects. These aspects of sustainability will include construction materials and techniques as well as global trends in sustainable design. Prerequisite(s): DES 3273, 3283 and 3043. Enrollment open to Interior Design majors with junior or senior standing.

DES 3343 - Package Design

This is an advanced portfolio development studio course with emphasis on design projects in package design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 3293 (or concurrent enrollment in 3293) with a minimum grade of "C". Enrollment is open to Graphic Design majors only. Sophomore standing or above.

DES 3433 - Interior Design Studio IV

In this studio course, students will develop advanced projects with a variety of commercial applications. Prerequisite(s): DES 3273, 3283 and 3043. Enrollment open to Interior Design majors only with junior or senior standing.

DES 3443 - Advertising Design

This is an advanced portfolio development studio course with emphasis on design projects in advertising design, creating finished comps, and delivering professional oral presentations. Prerequisite(s): DES 3293, or concurrent enrollment in 3293 with a minimum grade of "C".

DES 3451 - Design in Oklahoma

In this course, students will investigate the culture of design in Oklahoma in both historical and contemporary contexts.

DES 3511 - Introduction to Letterpress

This course introduces students to Letterpress technology, processes and terminology through tours and hands-on experience. Prerequisite(s): DES 3293 or concurrent enrollment. Enrollment open to Graphic Design students with sophomore standing or above.

DES 3523 - Print Media & Marketing for FAD

This course is an introduction to the design and development of printed media and marketing materials. Students will use industry-standard graphic design software to create effective promotional and marketing pieces for use in the management of a fine arts or design practice. Prerequisite(s): Sophomore standing or above. Enrollment NOT open to Graphic Design majors.

DES 3533 - Digital Media & Marketing for FAD

This course is an introduction to the design and development of digital media and marketing materials. Students will use industry-standard graphic design software to create effective promotional and marketing pieces for use in the management of a fine arts or design practice. Prerequisite(s): Sophomore standing or above. Enrollment NOT open to Graphic Design majors.

DES 3541 - Interior Design through Literature

In this course, students will explore the role of place and the built environment evidenced in a variety of literary works both classic and contemporary.

DES 3551 - Interior Design through Film

This course will explore the role of place and the built environment as viewed in film.

DES 3623 - Historic Preservation

This studio course will introduce students to concepts and case studies in historic preservation and implications for the Interior Design profession. Prerequisite(s): Enrollment open to Interior Design majors only with junior or senior standing.

DES 3633 - Portfolio Development

This course is an opportunity for design majors to improve their portfolios by correcting existing work and adding new work for the purpose of a review. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 2163, 3133 and 3173 with junior standing or above. Enrollment open to Graphic Design majors only.

DES 3713 - Competition Studio

In this studio course students will develop designs for entry into competitions. Prerequisite(s): Enrollment open to Design majors only with junior or senior standing.

DES 3721 - Bookmaking & Prototyping

This workshop style course will introduce students to basic bookmaking, folding and prototyping techniques through hands-on exercises and activities. No prior design knowledge or courses are required. Prerequisite(s): Sophomore standing or above.

DES 3813 - Interior Design Research

This course offers instruction in and discussion of design programming and design methodology. It consists of research and preparation of a design program for the Interior Design Thesis project to be implemented the following semester. Prerequisite(s): DES 3273, 3283 and 3043 with junior or senior standing. Enrollment open to Interior Design majors only.

DES 3853 - Illustration II

This studio course builds upon skills learned in Illustration I and the Design Foundations curriculum. Illustration II investigates the use of a variety of color media, color theory and how it can influence the intended message of an image. Traditional and digital rendering methods will be used in this course. Prerequisite(s): DES 1023, 1033, 1043, 1053 and 2153 all with a minimum grade of "C" and sophomore standing or above. Enrollment open to graphic design majors and minors only.

DES 3980 - Design Apprenticeship

Credit will vary from 1 to 8 hours. Prerequisite(s): DES 3293 or DES 3273. Enrollment open to Design majors only with junior standing.

DES 3990 - Advanced Topics In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 4143 - History of Interior Design III

This course is a survey of the development of the history of art and interior design and their shared histories from 1900 to the present including art and design movements, styles, furniture, artists and designers. Prerequisite(s): DES 3043 and 3143. Enrollment open to design majors with junior or senior standing.

DES 4353 - Illustration III

This course will discuss and examine current practices necessary for students to be competitive professionals in the marketplace. It emphasizes both traditional and digital media rendering techniques as students hone their skills and broaden the scope of their illustrated

portfolio. Students are required to present a body of work demonstrating their technical competency and creative problem solving ability in a final student exhibition. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 3853 and (DES 3263 or DES 4363 or DES 4373) with a minimum grade of "C". Enrollment open to Design-Graphic Design majors and Illustration minors only.

DES 4363 - Sequential Illustration

Sequential Illustration builds on the foundational theories and practices discussed in Character Design. This course emphasizes concepts pertaining to the illustrated series and the graphic novel. It investigates the elements of advanced and contemporary pictorial storytelling using traditional, digital and hybrid illustration techniques. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153, 3853 and (3263 or concurrent enrollment in 3263) with a minimum grade of "C". Enrollment open to Design-Graphic Design majors and Illustration minors only.

DES 4373 - Environmental Illustration

This course investigates topics and questions dealing with navigation, space management and storytelling through environmental illustration. Perspective, spatial interaction and visual communication without the use of typography are the types of illustrated/design problems will be addressed. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2153 and 3853 with a minimum grade of "C" and sophomore standing. Enrollment open to Graphic Design majors and Illustration minors only.

DES 4423 - Information Graphics

This studio course is designed to provide an in-depth study of the development, strategy, creation and execution of information design through a variety of media. Students will create projects that analyze, organize and communicate complex information clearly and easily. Prerequisite(s): DES 3293 or concurrent enrollment in 3293 with a minimum grade of "C". Enrollment open to Graphic Design majors only. Sophomore standing or above.

DES 4513 - Computer Graphics II

In this course students will learn the basics of industry standard software tools to practice page layout, design, typography, illustration, photo manipulation and production for online and digital media. Prerequisite(s): DES 1023, 1033, 1043, 1053, 2163 and 3133 with a minimum grade of "C".

DES 4523 - Computer Graphics III

This course focuses on the design and production of multi-page digital and printed publications. Students will master page layout software and complete advanced design projects which require skillful manipulation of text and images. Prerequisite(s): DES 2163, 3133, 3173, 3293 and 4513 with a minimum grade of "C". Junior standing or above. Enrollment open to Graphic Design majors only.

DES 4571 - History of Illustration

This course is a survey of the development of the history of illustration from the Victorian era to present. This course covers the development of illustration from commercial to editorial standpoint in addition to the discussion of prominent illustrators and illustration styles past and present.

DES 4581 - History of Typography

This course is a survey of the development of the history of typography from Gutenberg to the modern era (digital fonts). This course covers the instruments, materials and machines used in the development of type over the ages and discusses prominent typefaces as well as typographers.

DES 4633 - Computer Graphics IV

This course focuses on the development of advanced skills and mastery of industry standard software for the production of digital media products and outline publications. Students will work towards the development of an online portfolio. Prerequisite(s): DES 3133, 3293,

4513 and 4523 with senior standing. Enrollment open to Graphic Design majors only.

DES 4652 - Prepress Production

This studio course will enable the student to develop expertise in the preparation of camera-ready art for publication. Traditional methods of mechanical paste-up as well as current trends in digital pre-press will be covered. Prerequisite(s): DES 1023, 1033, 1043, 1053, 3173, 3133, 3293, 4513, and (4523 or concurrent enrollment in 4523) with a minimum grade of "C". Enrollment open to Graphic Design majors with junior standing or above.

DES 4713 - Design Entrepreneurship

Design Entrepreneurship presents students with tools and resources to take an idea from thought to product or service. Prerequisite(s): Sophomore standing or above.

DES 4721 - Advanced Bookmaking

This advanced workshop style course will introduce students to unique bookmaking, folding and prototyping techniques through hands-on experimentation with adhesive bookbinding techniques. Students will learn proper use of tools and equipment, and will create a well crafted hard bound book. Prerequisite(s): DES 3721 with sophomore standing or above.

DES 4733 - Advanced Portfolio Development

This course is an opportunity for design majors to improve their portfolios by correcting existing work and adding new work prior to graduation. Prerequisite(s): DES 3293 and senior standing. Enrollment open to Graphic Design majors only.

DES 4743 - Advanced Letterpress

This studio course is an in-depth exploration of graphic design with an emphasis on the use and combination of printing techniques and technologies to create unique and inventive portfolio pieces. Prerequisite(s): DES 3511 and (DES 3293 or concurrent enrollment in DES 3293). Enrollment open to Graphic Design majors with sophomore standing or above.

DES 4753 - InkTank

This course is a working in-house design studio managed and staffed by advanced graphic design majors. The purpose of InkTank is twofold: to assess needs in the department, and to fulfill those needs through the design and implementation of fundraising materials and events. InkTank's additional mission is to provide high quality design for pro-bono clients. This course may be taken two times for credit. Prerequisite(s): DES 1023, 1033, 1043, 1053 and 3293 (or concurrent enrollment) with a minimum grade of "C". Junior or senior standing. Enrollment open to Graphic Design majors only.

DES 4763 - ClockTower Studio

This course is a working graphic design studio managed and staffed by advanced graphic design majors to work with campus and community clients. This course replaces ART 4763. May be repeated twice for credit. Prerequisite(s): Permission of instructor required. Enrollment open to graphic design majors only.

DES 4773 - Interior Design Thesis Project

This course is a comprehensive interior design project developed from independent research conducted in the Interior Design Research course. The final project will consist of a set of contract documents that include drawings, schedules and specifications. Prerequisite(s): DES 3813 with senior standing. Enrollment is open to Interior Design majors only.

DES 4783 - Charles Evans Studio

This capstone course is a working design studio managed and staffed by interior design majors who work with campus and community clients, vendors, and a team of designers. Students make formal presen-

tations of concept proposals and solutions to the client for approval. This course may be taken two times for credit. Prerequisite(s): Junior standing or above and permission of instructor required .

DES 4833 - Interior Design Portfolio Development

This course is an opportunity for interior design majors to improve their body of work by correcting existing work and adding new work as necessary to develop a portfolio appropriate for demonstrating skills to potential employers. Prerequisite(s): DES 4773 with senior standing. Concurrent enrollment in DES 4873 is required. Enrollment open to Interior Design majors only.

DES 4863 - Graphic Design Practice

This course addresses business communication, preparing and designing a resume, portfolio presentation, interviewing, ethics in the workplace, and self-employment procedures and promotion. Students present their portfolio of work for professional evaluation and curate their capstone Senior Show. Prerequisite(s): DES 4513, 3293, 3173, 3133, 2163, 2153, with a minimum grade of "C" and graduating senior standing. Enrollment open to Graphic Design majors only.

DES 4873 - Interior Design Practice

This course addresses preparing and designing a resume, portfolio presentation, interviewing, ethics in the workplace, and self-employment procedures and promotion. Students also prepare for and participate in a senior show of their work. Prerequisite(s): 4773 with a minimum grade of "C". Concurrent enrollment in DES 4833 is required. Enrollment open to Interior Design majors only.

DES 4900 - Practicum In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 4910 - Seminar In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 4920 - Workshop In Design

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

DES 4930 - Individual Study In Design

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

DES 4940 - Field Study In Design

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

DES 4950 - Internship In Design

Credit will vary from 1 to 8 hours.

DES 4960 - Institute In Design

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

DES 4970 - Study Tour In Design

Credit will vary. Subject matter will vary within the department's field of study.

EARLY CHILDHOOD EDUCATION (ECED) Department of Curriculum and Instruction

ECED 2000 - Topics

Credit will vary from 1 to 4 hours. Consists of selected topics of an early childhood educational nature, each taught by a member of the early childhood educational staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of

student interest, significance and relevance to problems of contemporary society.

ECED 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ECED 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECED 4073 - Language Development & Emerging Literature

A study of the theory, materials, methods and instructional techniques applicable to language development and emergent literacy experiences during the early childhood years - birth through age eight. This course examines developmentally appropriate, integrated and interdisciplinary language arts approaches to literacy development encompassing writing, reading, and oral language of young children in the home and school environment.

ECED 4112 - Health, Safety & Nutrition In Early Childhood

This course examines three important issues related to young children's learning: health, safety, and nutrition. An important component in this course is working with the families of young children to promote healthy and safe learning environments at home and at school. A field experience at a public school is included in the course. Prerequisite(s): Junior or senior standing. Enrollment is open to Early Childhood Education and Family Life Education majors only.

ECED 4133 - Science & Social Studies In Early Childhood

This course focuses on the application of cognitive development and the constructivist theory in the selection of appropriate methods, materials, and learning experiences for preschool and primary-age children in science and social studies. Prerequisite(s): Admission to Teacher Education.

ECED 4222 - Leadership in Diverse Communities

This course is a study of the needs of culturally diverse children and the role that constructivist principles of leadership provide in creating ethical, social communities. This course is designed to identify historical and current factors of influence that characterize the social environments of children, the role of constructivist leadership, the role of democratic ideals, and the establishment of ethical environments essential to maximizing the individual potential of all children.

ECED 4313 - Creative Arts in Early Childhood

This course provides an introduction to the diverse range and variability of creative development including creative thinking, creative processes, creative abilities, the aesthetic and performing arts, music, and movement for children from birth to 8 years of age, and educators of those young children.

ECED 4422 - Parent Community Relations

This course is designed to acquaint the student with educational resources available to educators in the community and to enhance their effectiveness in relations with both parents and the community. Prerequisite(s): Admission to Teacher Education or graduate standing.

ECED 4443 - Theory/Practice In Early Childhood Education

The maturationist, behaviorist, and constructivist theories will be presented. Content will include the guidelines for developmentally appropriate practice and effective teaching in early childhood settings. Emphasis will be placed on the implementation of constructivist theory into practice including the role of play and developmental approaches to curriculum development. This course is to be taken concurrently with ECED 4901. Prerequisite(s): Admission to Teacher Education.

ECED 4900 - Practicum

The practicum requires clinical field-based teaching experience which allows students to apply and demonstrate their knowledge of current early childhood education theory, as well as instructional and classroom management strategies which have been developed during preceding course work. This course is to be taken the semester before student teaching/internship. This course is to be taken concurrently with ECED 4443. Prerequisite(s): Written permission required. Admission to Teacher Education.

ECED 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECED 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ECED 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECED 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ECED 4950 - Internship

Credit will vary from 1 to 8 hours.

ECED 4960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECED 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ECONOMICS (ECON)
Department of Economics

ECON 1103 - Introduction To Economics

This course is a study of the operation of the United States economy with emphasis on relevant problems as well as traditional problems of employment and efficient allocation of resources. This course is designed for non-majors and non-minors in economics and will not fulfill prerequisites for upper division courses in economics. This course will not substitute for ECON 2103 or 2203. Credit toward graduation will not be applied for ECON 1103 and ECON 2103 or ECON 2203 if ECON 1103 is taken after a student has received credit for ECON 2103 or ECON 2203.

ECON 1203 - Economics Of Social Issues

This course applies fundamental economic principles to the understanding of domestic and global issues such as poverty, treatment of minorities, immigration, agriculture, health, crime, labor markets, competition and monopoly, international trade and finance, and other important topics.

ECON 2000 - Topics In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 2103 - Principles Of Microeconomics

This course examines economic principles with major emphasis on the efficient allocation of resources and microeconomic theory.

ECON 2173 - Principles Of Business Statistics

Introductory statistical methods are presented employing statistical computer software and applications to typical business and economic

problems. Topics include: descriptive statistics, probability concepts, probability distribution, estimation, hypothesis testing, and introduction to regression analysis, and correlation. Prerequisite(s): MATH 1453 or 1513. Credit cannot be earned for both ECON 2173 and STAT 3103.

ECON 2203 - Principles Of Macroeconomics

This course is a continuation of the principles of economics involving the production, consumption, and distribution of wealth in a market economy with major emphasis in macroeconomic theory. Prerequisite(s): ECON 2103.

ECON 2303 - Statistics for Health Care

This is an introductory statistics class for pre-nursing students and other healthcare professionals. It emphasizes statistical concepts used in later courses in evidence-based practice or in research, such as "Nursing Research/Evidence Based Practice," and in quality improvement studies. The course is much more conceptual than computational in emphasis. Prerequisite(s): Any 1000 level math class.

ECON 3000 - Workshop In Economics

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ECON 3023 - Game Theory

This course emphasizes the application of game theory to economic problems. A wide variety of game scenarios are utilized to solve for equilibrium conditions. Prerequisite(s): ECON 2103.

ECON 3103 - Money And Banking

A study of the role of financial institutions in the U.S. economy and their overall impact on business strategies emphasizing central banking, legislation, regulation and the availability of funds for economic growth and development. Prerequisite(s): ECON 2103, 2203.

ECON 3123 - Intermediate Business Statistics

This course, a continuation of ECON 2173, employs statistical computer software to present more advanced statistical methods applied to business and economic problems. Topics include: applied econometric/regression and correlation analysis, two-sample tests with numerical data, analysis of variance (one-way, two-way and multiple comparison), Chi-square statistics, and non-parametric statistics. Prerequisite(s): ECON 2173.

ECON 3203 - Intermediate Microeconomics

Topics of this course include: analysis of behavior of consumers, firms, resource owners, and public entities; theoretical models of industrial organization and performance; identification and analysis of potential market failures and government interventions; development of efficiency and equity concepts. Prerequisite(s): ECON 2103.

ECON 3313 - Introduction to Energy Economics

This course is an introduction to the energy industry from an economic perspective. Specifically, the course will emphasize applying microeconomic concepts to the unique challenges of the energy industry. Students will learn the basic design of several energy related industries including: coal, natural gas, oil, and electricity. Students will also cover the basics of derivatives in the energy industry. Prerequisite(s): ECON 2103.

ECON 3353 - Principles Of Public Finance

The nature, cause, scope, and magnitude of public expenditures; nature and sources of public revenues, distribution of tax burdens, public debt, and fiscal theory and policy. Prerequisite(s): ECON 2103, 2203.

ECON 3383 - Workforce Economics

This course is a study of contemporary issues impacting the workforce and work environment in the 21st Century, including changing demo-

graphics, increased diversity, advancements in technology, educational needs and other related dynamics. Prerequisite(s): ECON 2103 and 2203.

ECON 3403 - Regulation and Antitrust

This course examines how government addresses market failures through the application of economic regulation and the antitrust laws. Prerequisite(s): ECON 2103.

ECON 3423 - Sports Economics

This course is a study in sports from an economic perspective. Economic fields covered in this course consist of industrial organization, public finance, and labor economics. Topics include: ticket pricing for sports events, impact of sports teams on cities, professional sports labor markets, and the business of college athletics. Prerequisite(s): ECON 2103 and 2173 and junior or senior standing.

ECON 3513 - Oil and Natural Gas Economics

This course will apply economic concepts specifically to the complex oil and natural gas industries. Students will examine the unique challenges faced by upstream, midstream, and downstream oil and gas companies. The course will also examine regulatory issues arising from the FERC and local regulatory commissions. Derivative securities will be examined as they pertain to hedging in the industry. Prerequisite(s): ECON 2103 and 3313.

ECON 3533 - Electricity Economics

This course will apply economics concepts specifically to the complex electric power industry. Students will learn the design of the industry including generation, transmission, and distribution. Emphasis will be placed on regulatory issues arising from the FERC and Regional Transmission Organizations (RTOs). Students will also be examining pricing, output, and capacity decisions facing firms in the electric power industry. Prerequisite(s): ECON 2103 and 3313.

ECON 3603 - Economic History Of US

A study of the economic development of the United States from the earliest settlement to the present with emphasis on the economic forces influencing growth and development. Prerequisite(s): ECON 1103 or ECON 2103 or ECON 2203.

ECON 3653 - Intermediate Macroeconomics

This course is a study and analysis of the determinants of aggregate output, employment, and prices including monetary and fiscal policy. Prerequisite(s): ECON 2103, 2203.

ECON 3990 - Advanced Topics In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 4103 - Economic Growth & Development

This course is a theoretical and comparative study of the growth and development process in developing countries, including developing strategies, industrialization, technical change, income distribution, migration savings mobilization, and investment and trade policies. Prerequisite(s): ECON 2103, 2203.

ECON 4203 - Economic Fluctuation & Stabilization

An analysis of economic fluctuations with emphasis upon macroeconomic stabilization policies and forecasting. Prerequisite(s): ECON 2103, 2203.

ECON 4213 - Quantitative Business Forecasting

This course is designed to lead students through the most helpful techniques to use in any forecasting effort. The course will concentrate on methods of describing a time series by isolating various components such as trend, seasonality, cyclical, and irregular that make up a time series. The main forecasting techniques include: moving average and exponential smoothing, linear and nonlinear trend, multiple linear regression, and the Box-Jenkins approach. Prerequisite(s): ECON 2173.

ECON 4303 - Urban Economics

This course is a study of urban economic topics, including the development of cities, urban land-use patterns, transportation, housing, education, pollution, poverty, crime, and urban public finance. Prerequisite(s): ECON 1103 or 2103; ECON 2203 recommended.

ECON 4313 - Introduction To Econometrics

Application of elementary mathematical and statistical methods to problems in price theory and national income theory. Prerequisite(s): ECON 2103, 2203.

ECON 4323 - Policy Analysis

An introduction to analytical tools used in evaluating private and public sector policies, with applications to federal, state, and local government policies and projects. Prerequisite(s): ECON 2203.

ECON 4333 - Economics Of Education

This course will explore a range of issues surrounding the production and delivery of education, the impact of education on individual earnings, and the role of education in economic development. Prerequisite(s): ECON 1103, 2103.

ECON 4343 - Economics And Law

This course is an advanced investigation of the underlying economic basis of common law including the economics of property, contract, tort, criminal, and family law. Prerequisite(s): ECON 1103 or 2103.

ECON 4353 - Social Welfare Economics

A study of the theory of social welfare with emphasis upon the institutional arrangements in a market economy. Prerequisite(s): ECON 2103, 2203.

ECON 4363 - Industrial Organization

This course examines alternative forms of industrial organization with emphasis placed on underlying structure, market performance/conduct, social welfare implications, and policy alternatives such as regulation and antitrust. Prerequisite(s): ECON 2103.

ECON 4373 - Health Care Economics

This course explores health care from an economic perspective, by examining the nature of demand and identifying suppliers of health care in order to achieve an understanding of market incentives and performance. In addition, the course examines those health care market characteristics that prevent market forces from generating socially desirable outcomes: market power, imperfect information, uncertainty, and externalities, as well as the inherent conflict arising from the desire to assure "equal access" to health care for all individuals despite widely divergent incomes. Government interventions in health care markets are examined and critiqued. Prerequisite(s): ECON 1103 or 2103.

ECON 4403 - International Economics

This course is a study of the theory of international trade, commercial policy, preferential trading arrangements, and topics on the balance of payments and the international adjustment mechanism. Prerequisite(s): ECON 2103, 2203.

ECON 4423 - Econometric Methods

This course is designed to give students an understanding of why econometrics is necessary and to provide them a working knowledge of basic econometrics. Emphasis will be placed on understanding when to adopt a particular model or technique, how to implement it, and how to interpret the results. Statistical analysis and regression techniques using computer software will be employed. Prerequisite(s): ECON 2173 and (ECON 2103 or 2203).

ECON 4433 - International Monetary Relations

The course discusses concepts in international macroeconomics such as the balance of payments, the current account, the exchange rate, foreign exchange markets, national output and the international monetary system. The course analyzes the interaction of national econo-

mies through international financial markets. The course will also cover policy issues including exchange rate management, optimum currency areas, history of international monetary systems, adjustment mechanisms, and interventions on the foreign exchange market. Prerequisite(s): ECON 2203.

ECON 4503 - Evolution Of Economic Thought

A survey of the evolution and development of economic thought. Analysis of various contributions by economists to economic knowledge. Prerequisite(s): ECON 2103, 2203.

ECON 4513 - Labor Economics & Public Policy

Topics in this course include development of neoclassical labor market theory with in-depth investigation of the determination of hours of work and wages; study of the impact of unions and government policy such as affirmative action, minimum wages, and immigration on labor markets; consideration of the investment in human capital and its role in the determination of earnings; and analysis of problems associated with labor market outcomes including discrimination and poverty. Prerequisite(s): ECON 2103, 2203.

ECON 4603 - Comparative Economic Systems

This course consists of the study and comparison of major economic systems, including capitalism, socialism and mixed economic systems; an analysis of their relative efficiency; and a survey of the main problems faced by economics in transition. Prerequisite(s): ECON 2103, 2203.

ECON 4703 - Issues In Monetary Theories

A study and discussion of monetary economic theories and issues, including the role of money, monetary policy, monetary policy tools, demand for money, interest rates, rational expectations, monetary approach to the balance of payments, Keynesian-monetarists debates, and related models. Prerequisite(s): ECON 2103, 2203.

ECON 4713 - Resource Economics

An analysis of world resource supplies, allocation, adequacies, and environmental problems emphasizing the role of technology and utilization. Prerequisite(s): ECON 2103, 2203.

ECON 4900 - Practicum In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 4910 - Seminar In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 4920 - Workshop In Economics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ECON 4930 - Individual Study In Economics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ECON 4940 - Field Study In Economics

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ECON 4950 - Internship In Economics

Credit will vary from 1 to 8 hours.

ECON 4960 - Institute In Economics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ECON 4970 - Study Tour In Economics

Credit will vary. Subject matter will vary within the department's field of study.

ELEMENTARY EDUCATION (ELED)

Department of Curriculum and Instruction

ELED 2000 - Topics In Elementary Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ELED 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 4063 - Teaching Reading In The Primary Grades

A study of theory research and related instructional strategies and curriculum materials applicable to the teaching of developmental reading in the primary grades. Topics will include research-based approaches to reading instruction incorporating principles for effective teaching and essential skills which include phonological system, syntactical system, semantic system, pragmatic (social or cultural) system. The knowledge base will be enhanced through modeling and a limited field experience. This course and ELED 4173 replace ELED 4085. This course replaces ELED 4073.

ELED 4173 - Teaching Reading In Intermediate/Middle School

This course expands upon the basic reading skills by utilizing a wide variety of strategies and materials appropriate for use in grades 4-8. An emphasis upon content area reading, expository tests, study skills, contextual analysis skills, and technology will be complemented by a limited field experience component. This course and ELED 4063 replace ELED 4085. Prerequisite(s): ELED 4063 (previously ELED 4073), and admission to Teacher Education.

ELED 4183 - Assessment/Intervention Reading K-8

This course develops strategies for teaching reading in the elementary school, including classroom assessment and intervention practices for instruction for individual needs. This course replaced ELED 4094. Prerequisite(s): Admission to teacher education, ELED 4063 and ELED 4173 or ECED 4073.

ELED 4213 - Teaching Language Arts In Elementary/Middle School

A study of the theory, research, and related instructional strategies and curriculum materials applicable to the teaching of listening, speaking, and creative and practical writing to children in grades K-8. Additional topics will include the teaching of handwriting, spelling, grammar and mechanics. Prerequisite(s): Admission to Teacher Education. This course replaces ELED 4153.

ELED 4263 - Assess/Interven Reading K-3

This course examines current issues in reading practices, assessment, and intervention strategies specific to grades K-3. Upon completion of this course, the students will be able to utilize appropriate reading assessments and design effective intervention strategies, lessons, and activities. This class requires clinical experience working with K-3 grade level students. Prerequisite(s): ELED 4063. Junior or senior standing and admission to Teacher Education. Enrollment open to Elementary Education, Early Childhood Education and Special Education majors only.

ELED 4273 - Assess/Interven Reading 4-8

This course examines current issues in reading practices, assessment, and intervention strategies specific to grades 4-8. Upon completion of this course, the students will be able to utilize appropriate reading

assessments and design effective intervention strategies, lessons, and activities. This course requires clinical experience working with grade 4-8 students. Prerequisite(s): ELED 4063, 4173 and 4263. Junior or senior level and admission to Teacher Education. Enrollment is open to Elementary Education, Early Childhood Education and Special Education majors only.

ELED 4283 - Lang Arts & Multicultural Lit

This course provides opportunities for teacher candidates to explore the many facets of language arts through a multicultural lens. It will cover pedagogy, theory, and research-based best practices in teaching English language arts for elementary students and language learners. Prerequisite(s): Junior or senior standing and admission to Teacher Education. Enrollment open to Elementary Education and Early Childhood Education majors only.

ELED 4323 - Teaching Mathematics In Preschool/Primary

The selection and organization of subject matter is designed to facilitate the teacher's ability to meet the needs of preschool and primary children. Child development and mathematics curriculum will be studied including mathematics readiness, diagnosis, and placement. Activities for developing concepts in topics such as pre-number, number, geometry, measurement, and the collection and organization of data will be explored. Prerequisite(s): MATH 2013 and admission to Teacher Education program.

ELED 4333 - Teaching Mathematics In Intermediate Grades

This course is designed to facilitate the prospective teacher's ability to meet the needs of intermediate grade students in the study of mathematics. It includes the study of current trends in mathematics curriculum; instructional techniques and materials; assessment of student performance; and curriculum programs. Specific topics covered are patterns and relationships; organizing, analyzing and synthesizing data; communicating mathematically; strategies for problem solving; mathematical concepts and skills of whole numbers, rational numbers, geometry, and measurement; and the use of technology. Prerequisite(s): ELED 4323 and admission to Teacher Education.

ELED 4343 - Science In Elementary School

This course will address a variety of methods and procedures for teaching life, earth-space and physical science concepts in the elementary school. Prerequisite(s): Admission to Teacher Education.

ELED 4463 - Social Studies In The Elementary School

This course will address the function of social studies in elementary education, and facilitate the development of procedures and techniques for teaching social studies in the elementary grades. Prerequisite(s): Admission to Teacher Education.

ELED 4483 - Children's Literature

Prospective teachers will be exposed to a wide variety of literature appropriate for the preschool through the adolescent years. Literacy elements and skills will be examined as well as the shift from a basal series/skills approach of teaching reading and literature to a more language/literature based method framework. Application and modeling of instructional strategies will represent an integral part of the course. Prerequisite(s): Admission to Teacher Education program or 728 major.

ELED 4900 - Practicum In Elementary Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ELED 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ELED 4950 - Internship

Credit will vary from 1 to 8 hours.

ELED 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ELED 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

ENGLISH (ENG)

Department of English

ENG 0123 - Reading & Writing for College

Reading & Writing for College will prepare students for ENG 1113 (English Composition) by providing extensive instruction in writing standard English for academic and professional audiences. This course is not available for college credit.

ENG 1113 - English Composition

This course provides instruction in college level writing, covering grammatical skills, rhetorical issues, and cognitive abilities necessary to produce effective academic prose. The primary purpose of first-year English is to produce writers of competent expository prose by providing an environment, which acts as an initiation into the academic world. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

ENG 1143 - Composition & Community Service

This course is the same as ENG 1113 but incorporates community service. Students are required to volunteer for service learning projects as part of this course. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

ENG 1153 - English Composition - International

This course is the same as ENG 1113 but designed for international students. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

ENG 1173 - English Composition: Honors

This course is the same as ENG 1113 but focuses on the literary needs of honor students. Credit may be earned in only one course from ENG 1113, 1143, 1153, or 1173.

ENG 1213 - English Composition & Research

The primary purpose of this course is to help students write clear, concise, and coherent academic prose in both expository and persuasive modes. The major emphasis of the course will be in improving research and investigative skills. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

ENG 1223 - English Composition & Research: International

This course is the same as ENG 1213 but designed for international students. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

ENG 1233 - Composition & Research: Honors

This course is the same as ENG 1213 but designed for honors students. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

ENG 1243 - Composition, Community & Research

This course is the same as ENG 1213 but incorporates community service. Students are required to volunteer for service learning projects as part of this class. Credit may be earned in only one course from ENG 1213, 1223, 1233, or 1243. Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.

ENG 1253 - Vocabulary Building

Vocabulary Building examines prefixes, suffixes, and etymologies as a means of increasing students' reading comprehension and writing competency.

ENG 2000 - Topics In English

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENG 2213 - Introduction To Women Studies

An introduction to the academic discipline of women's studies, this course defines terms appropriate to that discipline, surveys the significance of women in history and culture, and examines the social roles of women in economics, politics, education, health concerns, language, and art forms. Prerequisite(s): 12 hours college credit.

ENG 2223 - Introduction To Film Studies

This course briefly outlines the history of film, introduces students to basic film terms and techniques such as script, shots, sequence, and animation, and summarizes the theory and practice of film criticism. This course replaces ENG 3043. Prerequisite(s): ENG 1113 & 1213.

ENG 2303 - English Cornerstone

This course provides a broad and essential introduction to literary terms, genres, and critical theory. In addition, students will be introduced to basic literary research and refine their analytical writing skills. Prerequisite(s): ENG 1113 & 1213.

ENG 2413 - Fundamentals Of Literature

This course offers a concentrated study of the principles and forms of literature.

ENG 2543 - English Literature To 1800

This course provides a survey of the major texts and authors in the British literary tradition from its origins to the end of the eighteenth century.

ENG 2653 - English Literature Since 1800

This course provides a survey of British literature and British literary movements from 1800 to the present with the emphasis evenly distributed.

ENG 2693 - Survey Black American Fiction

This course will involve a study of the significant fiction produced by black writers in the 20th century.

ENG 2713 - Black American Poetry/Drama/Nonfiction

This course will involve a study of significant black contributions in the areas of poetry, drama, and nonfiction from the seventeenth century to the present.

ENG 2773 - American Literature To 1865

This course provides a historical survey from colonial times to Walt Whitman; extensive reading.

ENG 2883 - American Literature Since 1865

This course is a continuation of ENG 2773 from Walt Whitman to the present.

ENG 3000 - Workshop In English

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENG 3013 - Shakespeare

This course focuses on representative Shakespearean comedies, histories, tragedies, and their background.

ENG 3033 - Shakespeare

This course examines Shakespearean dramas other than those studied in ENG 3013.

ENG 3053 - Greek Drama In English Translation

This course is a study of the significant dramas of Aeschylus, Aristophanes, Euripides, and Sophocles. Some consideration will be given to the patterns of early Greek drama, the style of setting, and the structure of the early Greek theatres. Prerequisite(s): ENG 1113, 1213.

ENG 3063 - Introduction To Grammar

This course offers a study of the traditional concepts of English grammar and an introduction to modern methods of syntactic analysis. Prerequisite(s): ENG 1113 and 1213.

ENG 3083 - Introduction to Rhetoric

Introduction to Rhetoric will introduce students to foundational ancient and modern rhetorical concepts. Students will apply these persuasive, communicative, and meaning-making concepts to texts they read and compose. In particular, this course will explore the complex relationships among writers, audiences, texts, and contexts. Prerequisite(s): ENG 1113 and ENG 1213.

ENG 3093 - Wordsworth And Coleridge

this course presents a study of the major poetry and literary criticism of William Wordsworth and Samuel Taylor Coleridge.

ENG 3103 - The Joy of Poetry

The Joy of Poetry teaches students to recognize the major elements of poetry and to develop the skills necessary to analyze and interpret poems from a variety of historical and literary contexts. Prerequisite(s): ENG 1113 and ENG 1213.

ENG 3113 - Byron-Shelley-Keats

This course focuses on the major poetry of Lord Byron, Percy Bysshe Shelley and John Keats.

ENG 3133 - Tennyson And Browning

This course focuses on the poems of Tennyson and Browning.

ENG 3153 - Victorian Age

This course focuses on the prose and poetry of the Victorian period.

ENG 3173 - Short Story

This course examines the origin, traces the development, and analyses the techniques of the short story. Extensive reading is required.

ENG 3193 - World Literature I

This course is a survey of literary masterpieces from the ancient world to the 16th century, including both western and non-western works.

ENG 3213 - World Literature II

This course examines the world masterpieces of Africa, Asia, Europe, and the Americas from the 17th century to the current century.

ENG 3243 - Women In Film

This course provides an introduction to the genre of the women's film, exploring its unique characteristics, purposes, and motifs. Prerequisite(s): ENG 1113 & 1213.

ENG 3373 - Literary Study New Testament

This course offers a study of the New Testament as literature.

ENG 3393 - Mythology

This course examines the more important myths, legends and folk tales and includes extensive readings in classic literature in translation.

ENG 3413 - Literary Study Old Testament

This course offers a study of the Old Testament as literature.

ENG 3423 - Women Of The Bible

This course will provide coverage of the women of the Bible from a literary viewpoint. Emphasis will be on the literary genres, archetypes, motifs, and themes of their stories. Allusions and parallels to their stories found in other literature will be explored. Prerequisite(s): ENG 1113 and 1213.

ENG 3533 - Science Fiction

This course will provide coverage of the genre, of science fiction, including the genre's development and position in literature, its forms, its influence on other genres, its inheritance of the epic tradition, and its characteristics. This course emphasizes literary interpretation, motifs, devices, archetypes, myths, recurring themes, and the authors who have shaped the genre. Prerequisite(s): ENG 1113 & 1213.

ENG 3543 - Male And Female Rhetoric

This course explores the different ways men and women use language. Students explore these differences through scholarly research by linguists, popular publications, short stories, and movies. Prerequisite(s): ENG 1113 & 1213.

ENG 3723 - Lesbian and Gay Literature

Lesbian and Gay Literature examines the development, reception, and influence of lesbian and gay literature in English. Discussion may focus on a particular genre, a specific group of writers, or a set of issues or thematic concerns common to a number of literary texts. Prerequisite(s): ENG 1113 and ENG 1213.

ENG 3843 - Composition and Language for Teachers

Composition and Language for Teachers builds students' composition and language skills as they prepare to teach those skills in secondary English/language arts classes. Prerequisite(s): ENG 1113, ENG 1213 and sophomore standing or above. Enrollment open to English Education majors only.

ENG 3990 - Advanced Topics In English

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113, 1213.

ENG 4003 - Literature of the American West

Literature of the American West investigates the American West as myth, setting, and symbol in literary texts in a variety of genres written between the beginning of the nineteenth century and the present day. Prerequisite(s): ENG 1113 and ENG 1213.

ENG 4013 - A Literary Study Of The Bible

This course is a comprehensive study of the Bible as literature. Major literary genres, biblical backgrounds, themes, archetypes, rhetorical modes, a study of biblical poetry and narrative constitute the emphases of study. The tools of literary criticism (historical criticism, anthropological, mythological, and linguistic) enable students to formulate models of interpreting the Bible as literature. Prerequisite(s): ENG 1113 & 1213.

ENG 4023 - Technical Writing

This course provides a study of basic composition principles and will equip students in various disciplines to write clear technical expository prose, including reports, memorandums, proposals, brochures, and other technical communication formats, designed for specific audiences in each specific professional area. Prerequisite(s): ENG 1113 and 1213.

ENG 4043 - Colonial American Literature

The course provides a study of colonial, regional, and revolutionary American literature to examine the historical narratives, essays, fiction, sermons, political tracts, and poetry which formed and continue to influence American culture. Prerequisite(s): ENG 2773 and 2883.

ENG 4053 - Vietnam War Film & Literature

This course examines the cinematic and literary perspectives of the Vietnam War from gender, ethnic and nationalistic perspectives. Students will discuss the historical, social and political aspects of the war in comparison to films and literary works from other American wars. Prerequisite(s): ENG 1113 and 1213. Senior standing.

ENG 4073 - 19th Century British Women Writers

This course examines the works of major British women writers of the nineteenth century, focusing on the female literary tradition inherent in their novels and poetry. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

ENG 4083 - Early American Gothic Fiction

This course examines the gothic tradition in works of American fiction written during the 18th and 19th centuries, focusing on the way in which this tradition responds to American ideology and events in American history. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

ENG 4093 - 20th Century American Women's Autobiography

This course examines autobiographies written by women during the twentieth century. The course will concentrate on providing a theoretical background and strategies for analyzing women's life writing. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

ENG 4103 - 18th Century British Novel

This course examines the backgrounds, beginnings, and rise of the English novel as an art form from Elizabethan narrative forms through Scott and Austen.

ENG 4113 - Shakespeare: The Major Plays

Shakespeare: The Major Plays offers an intensive study of a selection of Shakespeare's major comedies, tragedies, histories, and romances and examines the historical context, critical reception and interpretation, and performance histories of plays in each of these genres. Prerequisite(s): ENG 1113 and 1213.

ENG 4123 - 19th Century British Novel

This course examines the emergence of the novel as a significant art form during the Victorian period, from the Brontes to Hardy.

ENG 4133 - Blogs: New Independent Media

Blogs: New Independent Media analyzes the growing impact of Internet blogs, or weblogs, on American culture. The course also give students the practical experience of creating and maintaining a blog. Prerequisite(s): ENG 1113 and 1213.

ENG 4143 - British Novel 1900-1940

This course examines the cultural influences and major British novelists prior to World War II, from John Galsworthy to Graham Greene.

ENG 4153 - Victorian Literature

This course analyzes the works of major British authors, 1830-1901. Prerequisite(s): ENG 1113 and 1213.

ENG 4173 - The Romantic Imagination

A study of the major writers of the British Romantic period from the 1780s to the 1820s, this course is designed to introduce students to the major literary criticism of the Romantic period and to increase their understanding of the British Romantic writers' ideals and artistic themes. Prerequisite(s): ENG 1113 and 1213.

ENG 4183 - Restoration/18th Century British Literature

This course offers a comprehensive study of the major authors, genres, and thematic concerns of restoration and early 18th-century British literature. Readings are drawn from a variety of genres, including poetry, drama, prose fiction, and non-fiction prose, and reflect the diverse interests of British writers from the restoration to the Augustan Age. This course also introduces students to recent developments in the

study of restoration and early 18th-century British literature and culture, including the work of feminist, comparativist, and cultural critics.

ENG 4193 - Technical Editing

Technical Editing offers students the opportunity to learn grammar and editing skills by reading theory, testing knowledge of grammar, and completing an editing project. This course teaches practical editing skills and helps them to become stronger editors. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

ENG 4203 - The Age Of Johnson

Taking the writings of Samuel Johnson as a point of departure, this course examines the major authors, genres, and thematic concerns of British literature during the period 1737-84. Readings are drawn from a variety of genres, including poetry, drama, prose fiction, and non-fiction prose, and reflect the diversity of interests that characterizes British writing of the middle decades of the 18th century. This course also addresses recent critical developments in the study of mid-18th-century British literature.

ENG 4213 - Document Design

Document Design offers students the opportunity to learn about design standards, page layout, instructional design, desktop publishing, typography, reading theory, and current research in document design. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

ENG 4223 - Contemporary Literature & Culture

Contemporary Literature and Culture examines the influence of modern philosophical movements on twentieth- and twenty-first-century literature.

ENG 4233 - American Novel I

This course focuses on the nineteenth-century American novel in the United States.

ENG 4243 - Chaucer

The course examines the language and poetry of Chaucer.

ENG 4253 - American Novel II

This course focuses on the twentieth-century American novel in the United States to World War II.

ENG 4263 - Literary Criticism

Literary Criticism examines the standards used in the evaluation of literature.

ENG 4273 - American Fiction Since WW II

This course offers a critical study of the important movements and writers of contemporary fiction in the United States.

ENG 4283 - English Grammar And Usage

This course offers an intensive study of the rules of English grammar and their application to speaking and writing.

ENG 4293 - Literary Impressionism

Literary Impressionism provides an intensive study of the major works of Henry James, Joseph Conrad, and Ford Maddox Ford as well as of the literary, philosophical, and artistic contexts, including the Impressionist movement in the visual arts, that influenced these writers and their works. Prerequisite(s): ENG 1113 and 1213 and junior standing or above.

ENG 4303 - Greek Drama in Translation

Greek Drama in Translation provides an intensive study of the major tragedies by Aeschylus, Sophocles, and Euripides as well as some of the works by Aristophanes and Menander. This course will give the student of literature as well as the writer in training a better grasp of the literary and cultural significance of these masterpieces. Prerequisite(s): ENG 1113, 1213 and junior standing or above.

ENG 4313 - Cinema of the Seventies

This course will examine the development of American cinema over the course of the 1970s. It will analyze films concerning the themes of the environment, freedom, the future, gender, humor (especially dark humor), melancholy, neuroses, police, race, restlessness, and violence. In addition, it will examine the film style of the major directors of the period including Hal Ashby, Francis Ford Coppola, Sidney Lumet, Sam Peckinpah, Bob Rafelson, and Martin Scorsese. Prerequisite(s): Junior or senior standing.

ENG 4323 - History Of English Language

This course presents the ancestry of the English language and of the evolution that has occurred and is occurring in the language.

ENG 4333 - Teaching Shakespeare

This is a course in the methods of teaching Shakespeare. In-depth study of four plays, including the study of literary criticism pertinent to each play, is combined with pedagogical theory and practice. The "performance method" of teaching Shakespeare, defined by Michael Tolaydo and the Folger Teaching Shakespeare Institute, is given special consideration. Prerequisite(s): ENG 1113 & 1213.

ENG 4343 - Linguistics

This course offers a comprehensive study of the English language from sounds (phonetics and phonology) to words (morphology) to structure (syntax) to meaning (semantics). The course also examines some social aspects of language (especially dialectology).

ENG 4383 - Modern American Poetry

This course offers a one-semester survey of the major figures in modernist American poetry, including Frost, Pound, Stevens, and Williams. The course examines the prose criticism of these writers as well as their poetry and assesses their contributions to the development of twentieth-century literary theory. Prerequisite(s): ENG 1113 and 1213.

ENG 4403 - Modern Drama

This one-semester course in world drama, covering about twenty-four plays, starts with Ibsen, the late nineteenth century father of modern drama, and proceeds to several contemporary plays, focusing on major world dramatists and dramatic movements.

ENG 4413 - TESL Grammar

This course helps students learn how to use grammar in teaching English as a second language (TESL), providing students with the opportunity to build a solid foundation in grammar and grammatical theory as they practice the presentation of grammatical concepts. Prerequisite(s): ENG 1113 and 1213.

ENG 4423 - Studies In The Classical Epic

Selected works of Homer, Virgil, and others will be studied in detail with some attention to their influence.

ENG 4433 - Southern Women Writers

This course offers a survey of 20th-century American women writers, including Eudora Welty, Flannery O'Connor, Kate Chopin, Carson McCullers, Alice Walker and Zora Neale Hurston. Prerequisite(s): ENG 1113 and 1213.

ENG 4443 - Medieval Romance

This course will cover the romances of medieval England and continental Europe.

ENG 4453 - African-American Women Writers

This course offers a survey of African-American women writers. In addition to slave narratives, writers included are Zora Neale Hurston, Terry McMillan, Toni Morrison, and Alice Walker. Prerequisite(s): ENG 1113 and 1213.

ENG 4463 - American Indian Literature

American Indian Literature is a critical survey of traditional and contemporary American Indian literature. Students will analyze diverse types of American Indian literary contributions, including oratory, poetry, drama, prose fiction, criticism, and autobiography. Prerequisite(s): ENG 1113 and 1213.

ENG 4473 - Advanced Composition

This course provides students with practice in expository types with emphasis on style and critical analysis.

ENG 4483 - Milton

This course examines the major poems and selected minor poetry and prose of John Milton.

ENG 4493 - American Indian Authors

American Indian Authors examines a particular American Indian author or selected groups or movements of American Indian authors. Prerequisite(s): ENG 1113 and 1213.

ENG 4503 - 16th Century British Literature

This course provides a survey of sixteenth-century British prose, poetry, and drama. Prerequisite(s): ENG 1113 and 1213.

ENG 4513 - Literary Works Of C.S. Lewis

This course will provide coverage of the literary works of C.S. Lewis and a brief look at related criticism. This course will include literary interpretation, genres, motifs, literary devices, and themes of the works. Prerequisite(s): ENG 1113 and 1213.

ENG 4533 - Genres In Film

This course provides an in-depth study of a specific film genre. This course focuses on describing the characteristics, purpose, and themes of a specific genre and provides students with a theoretical background for viewing genre-specific films. Prerequisite(s): ENG 1113, 1213, and 2223.

ENG 4543 - Film As Literature

This course is an introduction to literary and film genres. The chief film forms are presented, through historical and contemporary examples—the western, the comedy, the fantasy, the detective, the musical and Gothic story type. Each is represented by both a literary work and a representative film. Through such a study the student encounters the demands and difficulties of transferring a story from one medium to another.

ENG 4553 - History Rhetoric To 1700

This course examines the history of argumentation, its forms and uses, and the theories behind the practices. Prerequisite(s): ENG 1113 and 1213.

ENG 4563 - Modern British Poetry

This course offers a one-semester survey of the work of the following British poets: William Butler Yeats, Thomas Hardy, Gerard Manley Hopkins, A. W. Housman, D. H. Lawrence, W. H. Auden, and Dylan Thomas. The course will set these poets in historical and critical perspective as well as offer analyses of the poetry. Prerequisite(s): ENG 1113 and 1213.

ENG 4573 - British Novel Since WW II

This course offers a study of the British novel and its cultural contexts since 1945. Prerequisite(s): ENG 1113 and 1213.

ENG 4583 - 17th Century Prose & Poetry

This course offers a comprehensive study of major prose writers and poets of the seventeenth century including Frances Bacon, John Donne, Robert Burton, Sir Thomas Browne, George Herbert, John Milton, Andrew Marvell, Henry Vaughan, Thomas Traherne, Aphra Behn. Prerequisite(s): ENG 1113 and 1213.

ENG 4593 - Fitzgerald and Hemingway

Fitzgerald and Hemingway provides an intensive study of the works of Ernest Hemingway and F. Scott Fitzgerald in the context of Jazz Age culture and the literary work of the Expatriates. Prerequisite(s): ENG 1113, 1213 and junior student or above.

ENG 4603 - Major Figures In American Film

This course provides an in-depth study of a particular filmmaker or selected groups/movements of filmmakers, surveying their works, examining the critical issues raised by their films, and positioning them within the contexts of film history, theory, and criticism. The content will vary within the limits of the discipline. Prerequisite(s): Sophomore standing or above.

ENG 4623 - Shakespeare's Tragedies

This course offers an in-depth study of a selection of Shakespeare's tragedies. Prerequisite(s): ENG 1113 and 1213.

ENG 4633 - Old English Literature

This course offers an in-depth survey of the major works of Old English literature, including heroic and religious poetry, homiletic prose, riddles, elegies, and saints' lives. In addition, this course provides an overview of Anglo-Saxon history and culture and an introduction to Old English grammar, syntax, and vocabulary. Prerequisite(s): ENG 2303.

ENG 4653 - History Rhetoric Since 1700

This course examines the history of rhetoric in western culture from 1700 to the present. The course begins with the rhetoric of the Enlightenment, while the second half covers the rhetorics of the twentieth century, including electronic rhetoric. Prerequisite(s): ENG 1113 and 1213.

ENG 4663 - The Beat Movement

This course examines the works of many of the most significant writers of the beat movement in American literature of the 1950s and 1960s, including Allen Ginsberg, Jack Kerouac, and William Burroughs. Prerequisite(s): ENG 1113 and 1213.

ENG 4673 - Young Adult Literature

Young Adult Literature examines the history and evolution of young adult literature and the ways in which these texts affect an adolescent audience. Students will read theory and scholarship to broaden their understanding of this dynamic field. Prerequisite(s): ENG 1113 and 1213.

ENG 4683 - Women in Literature

This course provides an in-depth survey of literature written by women, analysis of the importance of gender in evaluating English, American, and World literature, and literary criticism by women writers. Prerequisite(s): ENG 1113 and 1213 and sophomore standing or above.

ENG 4693 - Films of Akira Kurosawa

This course explores the works of Akira Kurosawa by examining his life, his films, and the impact of his greatest works on world cinema. Prerequisite(s): ENG 1113 and 1213. Senior standing.

ENG 4703 - Kung Fu Films & Literature

This course examines kung fu films, focusing primarily on Hong Kong films. Students will identify the conventions of this genre. Students will formulate how the Chinese philosophies of Taoism, Buddhism and Confucianism are used in such films. Finally, students will assess how kung fu films become recognized as an influential global cinema. Prerequisite(s): Senior standing.

ENG 4713 - 19th Century American Women Writers

This course provides an introduction to the major American female writers of the nineteenth century. This course focuses on novels, but includes short stories and poetry. Prerequisite(s): ENG 1113 and 1213.

ENG 4723 - Composition Pedagogies

This class examines practical strategies for helping students improve their composition skills by exploring established and emerging pedagogies. Prerequisite(s): ENG 1113, 1213, and 4473.

ENG 4733 - TESL Pedagogy

This course prepares students to work in the field of teaching English as a second language (TESL). First, students will investigate TESL methods, including the creation of games and simulations for the classroom. Second, students will develop computer-assisted language exercises and simulations. Finally, students will present their research and projects to the class. Prerequisite(s): ENG 1113, 1213.

ENG 4763 - American Literature 1800-1865

This course is a comprehensive study of the "flowering of American literature" from the beginning of the 19th century to the close of the Civil War. Special consideration is given to many important forms other than the novel, such as poetry, short fiction, and non-fiction prose. Prerequisite(s): ENG 1113 and 1213.

ENG 4773 - American Literature 1865-1900

This course is a comprehensive study of American literature from the close of the Civil War to the beginning of the 20th century. Special consideration is given to many important forms other than the novel, particularly the short fiction of the writers of regionalism, realism and naturalism. Prerequisite(s): ENG 1113 and 1213.

ENG 4783 - History of Scientific Rhetoric

History of Scientific Rhetoric offers students the opportunity to learn about some of the major historical authors of science writing, about the techniques that authors use when discussing a scientific topic, about how those techniques have changed over time based on audience needs, and about the reasons why science writing is still important today. Prerequisite(s): ENG 4023 or concurrent enrollment in ENG 4023.

ENG 4813 - American Indian Youth Literature

American Indian Youth Literature studies American Indian children and adolescent literature from a variety of perspectives including traditional educational texts, contemporary texts, and challenged/contentious texts. Prerequisite(s): ENG 1113 and 1213.

ENG 4823 - Ethnic American Literature

This course deals with the literature of at least four identifiable American ethnic groups (those usually recognized by society in general or by the government). Emphasis is placed on social origin and literary genre of each group. Prerequisite(s): ENG 1113 & 1213.

ENG 4833 - Cyberpunk Film and Literature

Students will explore the visual and literary sub-genre of science fiction called cyberpunk. Student will learn to define the genre according to the themes of the invasion of the mind, the ontology of cyborgs, and the paranoia of oppressive politics: our current reality. Finally, students will assess the value this genre has in postmodern world fiction. Prerequisite(s): ENG 1113 and 1213. Senior standing.

ENG 4843 - English/Language Arts Methods

English/Language Arts Methods focuses on creating lessons that use reading strategies and best practices for literature instruction. Students preparing to teach in the secondary classroom will create an integrated unit plan, align instruction to current standards, and practice teaching through multiple demonstrations. Prerequisite(s): Admission to Teacher Education. Enrollment open to English Education majors only with sophomore standing or above.

ENG 4853 - Shakespeare's Comedies

This course offers an in-depth study of six of Shakespeare's comedies. In addition to studying the secondary criticism, students will correlate films/productions with their reading of the primary texts. Prerequisite(s): ENG 1113 and 1213.

ENG 4863 - Shakespeare's History Plays

This course provides an in-depth study of Shakespeare's history plays and their literary and cultural contexts. Prior knowledge of British literature tradition is presumed. Prerequisite(s): ENG 1113 & 1213.

ENG 4873 - American Indian Film

American Indian Film offers a critical survey of early and contemporary American Indian films. Students will analyze diverse types of American Indian cinematic contributions, including silent films, documentaries, features, shorts, and animated films. Prerequisite(s): ENG 1113, 1213 and sophomore standing or above.

ENG 4883 - Asian American Literature

In this course, students will analyze and evaluate the contributions that Asian Americans have made to American literature. Students will discuss the perceptions Euro-Americans had toward individual Asian cultures due to historical events, the effect of those perceptions on the way Asian Americans were treated, and the record of this treatment in the literature. Prerequisite(s): ENG 1113 and 1213. Senior standing.

ENG 4893 - English Capstone

This course provides senior students with a capstone experience to help them make the transition into the workforce or graduate school. Prerequisite(s): 24 hours of 4000-level English courses and ENG 2303.

ENG 4900 - Practicum In English

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENG 4910 - Seminar In English

Credit will vary from 1 to 4 hours. Directed intensive study on selected problems or special topics. Prerequisite(s): ENG 1113 & 1213.

ENG 4920 - Workshop In English

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENG 4930 - Individual Study In English

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENG 4940 - Field Study In English

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ENG 4950 - Internship In English

Credit will vary from 1 to 8 hours.

ENG 4960 - Institute In English

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENG 4970 - Study Tour In English

Credit will vary. Subject matter will vary within the department's field of study.

ENGINEERING (ENGR)**Department of Engineering and Physics****ENGR 1112 - Introduction to Engineering & Lab**

This course provides an introduction to engineering disciplines, problem-solving techniques, engineering homework skills, computer tools and techniques, ethics, and engineering resources. A team-based design project is an integral component of the course. Prerequisite(s): MATH 1513 or concurrent enrollment in MATH 1513 or one year of high school Algebra II. Concurrent enrollment in ENGR 1112L is required. Enrollment is open to engineering majors only.

ENGR 1112L - Introduction to Engineering Lab

This course comprises the laboratory component of ENGR 1112. Introductory labs and team-based projects are provided to reinforce the concepts covered in the lecture course and to equip students with the basic communication, computer and electronic skills. Prerequisite(s): Concurrent enrollment in ENGR 1112 is required.

ENGR 1213 - Engineering Computing & Lab

This course introduces computing skills required by engineers in their profession, including use of engineering spreadsheets, scientific programming and algorithms and use of mathematical or other simulation packages to solve engineering problems. Programming labs and team design projects are integral components of the course. Prerequisite(s): MATH 1593 or concurrent enrollment in MATH 1593. Concurrent enrollment in ENGR 1213L is required.

ENGR 1213L - Engineering Computing Lab

This course comprises the laboratory component of ENGR 1213. MATLAB and C programming labs and team design projects are designed to reinforce the concepts covered in the lecture course and equip students with the basic communication, computer and programming skills. Prerequisite(s): Concurrent enrollment in ENGR 1213 is required.

ENGR 1311 - Introduction To Biomedical Engineering

This course provides an introduction to the field of biomedical engineering. Topics typically include the biological interaction with ultrasound and microwave radiation, modeling, instrumentation, and medical imaging techniques. Prerequisite(s): PHY 1003 or high school physics and MATH 1593 or higher level math course.

ENGR 2000 - Topics In Engineering

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

ENGR 2033 - Statics

This course provides an introduction to basic engineering mechanics and examines the laws which describe the response of objects to applied forces and torques. Prerequisite(s): PHY 2014, MATH 2333 or concurrent enrollment in MATH 2333. Concurrent enrollment in ENGR 2033D is required.

ENGR 2033D - Statics - Drill Session

This drill session accompanies ENGR 2033 and provides directed problem solving in statics. Prerequisite(s): Concurrent enrollment in ENGR 2033 is required.

ENGR 2043 - Dynamics

This course provides an introduction to the dynamics of particles and rigid bodies with applications of Newton's second law, the principle of work and energy, and the principle of impulse and momentum. Prerequisite(s): ENGR 2033 and MATH 2343 or concurrent enrollment in MATH 2343. Concurrent enrollment in ENGR 2043D is required.

ENGR 2043D - Dynamics - Drill Session

This drill session accompanies ENGR 2043 and provides directed problem solving in dynamics. Prerequisite(s): Concurrent enrollment in ENGR 2043 is required.

ENGR 2143 - Strength Of Materials

This course provides an introduction to solid mechanics, including concepts of stress and strain, mechanical behavior of engineering materials, and analysis of loaded-bearing members. Prerequisite(s): ENGR 2033. Concurrent enrollment in ENGR 2143D is required.

ENGR 2143D - Strength of Materials - Drill

This drill session accompanies ENGR 2143 and provides directed problem solving in strength of materials. Prerequisite(s): Concurrent enrollment in ENGR 2143 is required.

ENGR 2151 - Strength of Materials Lab

This laboratory provides experience in measuring, validating and reporting the mechanical characteristic of elastic and brittle materials. This laboratory also provides experience in finite element analysis that evaluates the stress and deformation of mechanical components. Prerequisite(s): ENGR 2143 or concurrent enrollment in ENGR 2143.

ENGR 2303 - Electrical Science

This course teaches analysis techniques for electrical circuits which consist of resistors, capacitors, and inductors. The circuits analyzed are driven by constant and sinusoidal voltage and current sources. Prerequisite(s): PHY 2114 and ENGR 2311 or concurrent enrollment in ENGR 2311. Concurrent enrollment in ENGR 2303D is required.

ENGR 2303D - Electrical Science - Drill Session

This drill session accompanies ENGR 2303 and provides directed problem solving in electrical science. Prerequisite(s): Concurrent enrollment in ENGR 2303 is required.

ENGR 2311 - Electrical Science Lab

This laboratory provides experience in the simulation, design, and construction of electrical circuits and exposure to electrical laboratory equipment. Prerequisite(s): ENGR 2303 or concurrent enrollment.

ENGR 3000 - Workshop In Engineering

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENGR 3043 - Biomaterials

This course covers the principles of material science underlying biomedical applications. Topics include biocompatibility, properties and structures of metals, ceramics, polymers, biomaterials, and composites. Prerequisite(s): CHEM 1103, CHEM 1112, ENGR 1311, PHY 2114 all with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103.

ENGR 3113 - Prin of Biomedical Engineering

This course introduces physics and engineering principles to biomedical applications. Topics include strength of biomedical materials, thermodynamics, biofluids, and electricity of the human body. Prerequisite(s): CHEM 1103, CHEM 1112, MATH 3103, ENGR 1311, ENGR 2043 all with a minimum grade of "C", and BIO 2604 or concurrent enrollment in BIO 2604.

ENGR 3153 - Machine Dynamics

This course is an application of the principles of dynamics to mechanisms and machine elements. Topics include kinematic and dynamic analysis of linkages and cam mechanisms. Prerequisite(s): ENGR 2043 with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103. Junior or senior standing.

ENGR 3183 - Electromagnetic Fields I

This course provides an introduction to electrostatic and magnetostatic fields and sources, solutions of boundary value problems, and the development of Maxwell's equations with engineering applications. Prerequisite(s): PHY 3883 with a minimum grade of "C".

ENGR 3203 - Thermodynamics

This course provides an introduction to the laws of thermodynamics. Thermodynamic properties are defined that describe the behavior and state of systems. The laws of thermodynamics are applied to control masses and control volumes. Thermodynamic analysis is applied to a variety of standard thermodynamic devices and cycles. Prerequisite(s): ENGR 2033, CHEM 1315, and MATH 3103 or concurrent enrollment in MATH 3103 with a minimum grade of "C". Junior or senior standing. Concurrent enrollment in ENGR 3203D is required.

ENGR 3203D - Thermodynamics - Drill Session

This drill session accompanies ENGR 3203 and provides directed problem solving in thermodynamics. Prerequisite(s): Concurrent enrollment in ENGR 3203 is required.

ENGR 3222 - Digital Logic Design & Laboratory

This course will discuss Boolean algebra, number systems and representations, and analysis and design of combinational and sequential logic circuits. Prerequisite(s): ENGR 2303 and 2311. Concurrent enrollment in ENGR 3222L is required.

ENGR 3222L - Digital Logic Design Laboratory

This course comprises the laboratory component of ENGR 3222. Labs and computer simulations are designed to facilitate and reinforce the understanding of the concepts covered in the lecture course and equip students with the basic skills associated with the design, simulation, and analysis of digital logic and circuitry. Prerequisite(s): Concurrent enrollment in ENGR 3222 is required.

ENGR 3302 - Engineering Statistics & Experiment

This course presents concepts of statistics and probability applicable to engineers and statistical analysis of measured experimental data. Topics covered with engineering applications are probability distributions, sampling distributions, hypothesis testing, parameter estimation, inferences, and computer software for statistical analysis of measured experimental data. Prerequisite(s): ENGR 2303 and 2311 or concurrent enrollment in ENGR 2303 and 2311.

ENGR 3323 - Signals and Systems & Laboratory

This course focuses on techniques to represent signals mathematically, and design systems that process these signals. Topics covered in this course are the analysis techniques in both continuous and discrete-time linear systems, and signal representation including Fourier, Laplace and z transforms. Prerequisite(s): ENGR 2303, 2311 and MATH 3103. Concurrent enrollment in ENGR 3323L is required.

ENGR 3323L - Signals and Systems Laboratory

This course comprises the laboratory component of ENGR 3323. Experiments and computer simulations are designed to reinforce the concepts covered in the lecture course, and equip students with the basic skills associated with the analysis of signals and systems in the time and frequency domain. Prerequisite(s): Concurrent enrollment in ENGR 3323 is required.

ENGR 3363 - Mechanical Engineering Design

This course enables students to apply engineering fundamentals to machine components design and to evaluate material properties in the selection of materials for various applications. Prerequisite(s): ENGR 2043, ENGR 2143, and MATH 3103 or concurrent enrollment in MATH 3103.

ENGR 3404 - Analog Electronics & Laboratory

This course provides an introduction to analog electronics, including theory and application of passive devices, bipolar junction transistors, field effect transistors, and operational amplifiers. Laboratory experience is a principal component of this course. Prerequisite(s): ENGR 2303 and ENGR 2311. Concurrent enrollment in ENGR 3404L is required.

ENGR 3404L - Analog Electronics Laboratory

This course comprises the laboratory component of ENGR 3404. Laboratory experiments emphasize design and analysis of basic analog circuitry. Prerequisite(s): PHY 2114 or 1214 (previously PHY 1213 and 1201). Concurrent enrollment in ENGR 3404 is required.

ENGR 3413 - Materials Science

This course covers topics in engineering materials and their uses in engineering applications. Properties and structures of metals, ceramics, polymers, biomaterials and composites are discussed. Prerequisite(s): PHY 2114, CHEM 1315 (CHEM 1315 can be replaced by CHEM

1103 and CHEM 1112 for students in biomedical engineering) all with minimum grade of "C", and (MATH 3103 or concurrent enrollment in MATH 3103).

ENGR 3443 - Fluid Mechanics

This course includes the study of fluid properties, fluid statics, conservation equations, inviscid flow, dimensional analysis and similitude, boundary layer theory, viscous internal and external flow, and fluid measurement techniques. Prerequisite(s): ENGR 3203 and MATH 3103 with a minimum grade of "C".

ENGR 3451 - Fluid Mechanics Laboratory

This laboratory provides experience in fluid mechanics experiments involving Bernoulli's theorem, orifices, energy losses in pipes, and cavitations. Prerequisite(s): ENGR 3443 or concurrent enrollment.

ENGR 3613 - Microprocessors and Laboratory

This course includes: architecture, operation, and application of microprocessors; microprocessor programming; address decoding; system timing; parallel, serial, and analog I/O; interrupts and direct memory access. Prerequisite(s): ENGR 2303, 2311 and 3222 all with a minimum grade of "C". Concurrent enrollment in ENGR 3613L is required.

ENGR 3613L - Microprocessors Laboratory

This course comprises the laboratory component of ENGR 3613. Labs are designed to facilitate and reinforce the understanding of the concepts covered in the lecture course and equip students with the basic skills associated with the programming and applications of microprocessors. A design project is an integral component of the labs. Prerequisite(s): Concurrent enrollment in ENGR 3613 is required.

ENGR 3703 - Computational Methods In Engineering

This course introduces general-purpose numerical methods and linear algebra concepts for solving problems in science and engineering. Students should develop an understanding of the strengths and limitations of standard numerical techniques applied to problems in engineering, such roots of nonlinear equations and systems of linear equations. The course will also cover numerical differentiation and integration, initial-value and boundary-value problems. The course will also discuss concepts and methods of scientific and engineering computing, mathematical modeling, and engineering design. Prerequisite(s): ENGR 1213, PHY 2014, and MATH 3103 or concurrent enrollment.

ENGR 3803 - Electrical Power Systems

This course will introduce design, operation and key theoretical principles of modern electric power systems. Topics include basic power engineering concepts, power system design and operation, socio-economic aspects and new technologies. Prerequisite(s): ENGR 2303, ENGR 2311, and MATH 2343.

ENGR 3990 - Advanced Topics In Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 4103 - Finite Element Analysis

This course provides an introduction to the finite element method, from an engineering rather than a purely mathematical point of view. This course introduces approximate solution methods, the RITZ method, interpolation, isoparametric finite elements, displacement-based bending elements, and applications for elasticity problems. The course includes the development of stand-alone finite element computer codes and the application of commercial finite element software packages to analyze solid and structural mechanics problems. Prerequisite(s): ENGR 2143, ENGR 3703 with a minimum grade of "C" and PHY 3883 or concurrent enrollment in PHY 3883.

ENGR 4123 - Heat Transfer

This course introduces basic thermal-energy transport processes, conduction, convection, radiation, and the mathematical analysis of

systems involving these processes in both steady and time-dependent cases. Prerequisite(s): ENGR 3443, MATH 3103 all with a minimum grade of "C" and ENGR 3703 or concurrent enrollment in ENGR 3703.

ENGR 4132 - Biomedical Engineering Laboratory

This course provides the students with a practical experience in applying different methods to measure physiological signals and interpret the measured data. Students will design and build digital and analog circuits that might be used in biomedical instrumentations and prosthetic devices. Prerequisite(s): ENGR 3323 with a minimum grade of "C" and ENGR 4233 or concurrent enrollment.

ENGR 4141 - Heat Transfer Laboratory

This laboratory provides experience in heat transfer experiments involving conduction, convection, thermal radiation, and heat exchange. Prerequisite(s): ENGR 4123 or concurrent enrollment.

ENGR 4153 - Vibration

This course introduces free and forced vibrations of single-degree-of-freedom and multiple-degree-of-freedom mechanical systems. This course also covers the vibration of continuous systems. Prerequisite(s): ENGR 2043 and MATH 3103 both with a minimum grade of "C" and PHY 3883 or concurrent enrollment in PHY 3883. Junior or senior standing.

ENGR 4183 - Electromagnetic Fields II

This course presents the application of Maxwell's equations to time-varying electromagnetic fields, electromagnetic waves, radiation, diffraction, the electromagnetic theory of light, and antenna design. Prerequisite(s): ENGR 3183 with a minimum grade of "C".

ENGR 4203 - Refrig & Air Conditioning

This course will enable students to apply advanced thermodynamics and thermo-fluid principles to design and analyze refrigeration and air conditioning processes in engineering systems. Topics in refrigeration include analysis of vapor compression, vapor absorption and air cycle refrigeration systems, selection of refrigerants, refrigeration equipment, low temperature applications, and control and safety devices in refrigeration systems. Topics in air conditioning include cooling load calculations, psychometric analysis, air distribution and duct system design, air conditioning equipment and control systems. Prerequisite(s): ENGR 3203, ENGR 3443, and (ENGR 4123 or concurrent enrollment in ENGR 4123). Senior standing or above.

ENGR 4223 - Biomedical Imaging

The first part of this course is an overview of biomedical imaging systems and analysis including how images are formed and what types of information they provide by examining various imaging systems such as X-ray, ultrasound, and MRI. The second part of the course introduces students to the image processing of medical images, such as reconstruction, enhancement, segmentation, registration and representation and analysis. Prerequisite(s): ENGR 3323 with a minimum grade of "C".

ENGR 4233 - Biomedical Instrumentation

This course introduces students to the principles, applications, and design of the medical instruments most commonly used in hospitals. Introduction to theory of measurement and analysis of biological systems. Instruction will be provided in the use of transducers, design integrated circuits to process biological signals, signal display and analysis, data acquisition and controls, and electrical safety. Prerequisite(s): MATH 3103, ENGR 2303, and ENGR 2311 all with a minimum grade of "C".

ENGR 4243 - Modeling & Analysis of BME Sys

This course introduces students to the engineering approach to the quantitative modeling of biomedical systems including bioelectrical and biomechanical systems. These systems will be discussed, ana-

lyzed, simulated, and modeled. Prerequisite(s): ENGR 1213, ENGR 2303, ENGR 2311, ENGR 3113 all with a minimum grade of "C".

ENGR 4263 - Engineering Optics

This course provides advanced topics in geometrical and physical optics. Topical coverage includes reflection, refraction, mirrors, lenses, interference, diffraction, polarization, coherence, and the design of optical instruction. Prerequisite(s): PHY 2114 and junior standing or above.

ENGR 4303 - Control Systems

This course focuses on linear, non-linear, and discrete automatic control systems; feedback control; system robustness and stability; and classical and modern control theories. Prerequisite(s): ENGR 3323 with a minimum grade of "C".

ENGR 4313 - Fluid Dynamics

The fundamental equations and solution methods of fluid dynamics are presented with particular attention to solving the Navier-Stokes equation. Topics covered will include mass conservation, momentum and energy equations, potential flow, incompressible and compressible flows, viscous flow, similarity and dimensional analysis, boundary layer theory, vorticity, and turbulent flow. Prerequisite(s): ENGR 3443 and MATH 3103 with a minimum grade of "C".

ENGR 4323 - Digital & Analog Communication

This course addresses selected theoretical and practical aspects of digital and analog communications systems such as amplitude modulation, frequency modulation, pulse code modulation, and multiplexing. It develops the engineering mathematics and techniques to describe the physical transmission of information over point-to-point links, taking account of channel characteristics and the presence of noise and distortion. Prerequisite(s): ENGR 3323 with a minimum grade of "C".

ENGR 4333 - Digital Signal Processing & Laboratory

This course provides an introduction of the theory and application of fundamental digital signal processing techniques. The topics include: discrete signals and systems, z-transform, discrete Fourier transform and related discrete-time orthogonal transform and related fast algorithms; and IIR and FIR filter design techniques and realizations. Prerequisite(s): ENGR 3323 with a minimum grade of "C". Concurrent enrollment in ENGR 4333L is required.

ENGR 4333L - Digital Signal Processing Laboratory

This course comprises the laboratory component of ENGR 4333. Students implement digital signal processing algorithms on a general purpose digital signal processor. Labs include the use of a simulator to develop and high level programming languages to develop and test IIR and FIR filters. Prerequisite(s): Concurrent enrollment in ENGR 4333 is required.

ENGR 4343 - Biomechanics

This course provides the application of mechanics to describe the cardiovascular and musculoskeletal systems. Topics include the interrelationship between biomechanics and physiology in medicine, surgery, and the design of prosthetic devices. Prerequisite(s): ENGR 2043 and MATH 3103 all with a minimum grade of "C".

ENGR 4533 - Thermal Systems Design

This course develops the concepts and methodology of system design, energy analysis, and optimization applied to thermal-fluid systems. Topics include simulation of systems in which the system components are known and system parameters such as flow, temperature, and pressure are to be determined and design of systems involving the selection of right type, size and combinations of equipment to optimize system performance. A discussion of engineering ethics and economics relevant to design topics covered is included in this course. Prerequisite(s): ENGR 3443 and MATH 3103 with a minimum grade of "C".

ENGR 4613 - Photonics

This course is designed to cover topics with engineering application in photonics. Topics covered in this course include wave optics, interference, guided wave optics, fiber optics, polarization optics, optics of anisotropic media, optical Fourier transform, diffraction of light, and image formation. Prerequisite(s): PHY 3103 and ENGR 4263 with a minimum grade of "C".

ENGR 4633 - Solid State Devices

This course presents the physical principles of operation of the p-n junction, metal semiconductor contact, bipolar junction transistor, MOS capacitor, MOS and junction field-effect transistors, and related electro-optical devices. First-order device models reflecting the underlying physical principles are developed. Prerequisite(s): PHY 3103, PHY 3183, and ENGR 3404 all with a minimum grade of "C".

ENGR 4803 - Mechatronics & Laboratory

This course will introduce: design, optimization, and control of electromechanical and mechatronic systems; dynamic analysis, modeling, and simulation of electric machines; power electronics and sensors; application of advanced software and hardware in mechatronic systems design. Prerequisite(s): ENGR 2043 and ENGR 3323 with a minimum grade of "C". Concurrent enrollment in ENGR 4803 is required.

ENGR 4803L - Mechatronics Laboratory

This course comprises the laboratory component of ENGR 4803. Experiments and computer simulations are designed to reinforce the concepts covered in the lecture course and to equip students with the basic skills associated with the designs, simulations and analyses of electromechanical systems and mechatronics devices. Prerequisite(s): Concurrent enrollment in ENGR 4803 is required.

ENGR 4882 - Senior Engineering Design I

Through discussions with the course instructor and other faculty members, students will determine a design-related engineering problem they wish to study. A detailed written project proposal will be submitted and approved by the chosen faculty project director. Working as individuals or in teams, students will apply the design process by developing projects from the proposal stage to the test, evaluation, and implementation stages. Students are expected to follow this course with ENGR 4892 Senior Engineering Design II. Prerequisite(s): ENGR 3302, written permission required and senior standing.

ENGR 4892 - Senior Engineering Design II

This course is a continuation of ENGR 4882 Senior Engineering Design I. Prerequisite(s): ENGR 4882 and senior standing.

ENGR 4900 - Practicum In Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 4910 - Seminar In Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENGR 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENGR 4950 - Internship In Engineering

Credit will vary from 1 to 8 hours.

ENGR 4960 - Institute In Engineering

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENGR 4970 - Study Tour In Engineering

Credit will vary. Subject matter will vary within the department's field of study.

ENTREPRENEURSHIP (ENTR)**Department of Management****ENTR 2000 - Topics in Entrepreneurship**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENTR 3000 - Workshop in Entrepreneurship

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENTR 3013 - The Individual Entrepreneur

This course introduces the concepts of entrepreneurial creativity, motivation and risk-taking. Students draw upon the inspired thinking and entrepreneurial pursuits of leaders in a variety of disciplines in order to understand the process of innovation and appreciate the role of creativity in making innovation possible. Emphasizing the development of the student's own entrepreneurial creativity and ability to innovate, the experiential and reflective activities in this course encourage students to explore their potential as passionate agents of change - in their own lives and in society. Prerequisite(s): ENTR 3203.

ENTR 3203 - Entrepreneurship in the 21st Century

This course is an introductory study of entrepreneurship in the 21st century. While all types of entrepreneurship will be examined, emphasis will be on key trends developed by young entrepreneurs who are using modern tools to collaborate with peers, develop new products, and sell to a global customer base. The lessons presented in this class will expose students to new opportunities available in the current entrepreneurial environment, primarily due to the Internet and globalization. Prerequisite(s): sophomore standing or above.

ENTR 3213 - Entrepreneurial Creativity

This course introduces the concepts of innovation and entrepreneurial creativity. Students draw upon the inspired thinking and entrepreneurial pursuits of leaders in a variety of disciplines in order to understand the process of innovation and appreciate the role of creativity in making innovation possible. Emphasizing the development of the student's own entrepreneurial creativity and ability to innovate, the experiential and reflective activities in this course encourage students to explore the potential as passionate agents of change - in their own lives and in society. Prerequisite(s): ENTR 3203.

ENTR 3223 - Innovation and Creating Wealth

This course explores various perspectives to ground the student's understanding of creativity and innovation in relation to invention, intellectual property, entrepreneurship, and the creation of wealth. Using lecture, case studies and exploratory outings, the creative process as the foundation of invention will be examined, especially as it drives innovation. The realization of value through the construction and licensing of intellectual property, particularly patents that protect inventions and trademarks as brands, will be explored. An overview of patents, trademarks, copyrights, and trade secrets will be provided and discussed in relation to their impact on enterprise value. The present course will introduce strategies and methods for creating wealth through formation, monetization, and commercialization of intellectual property. The perspectives of independent inventors and startup enterprises will be addressed. Prerequisite(s): Junior or senior standing.

ENTR 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4023 - Corporate Entrepreneurship

This course investigates entrepreneurship of established companies, or what is otherwise known as employee intrapreneurship. Students will learn some of the emerging theories and practices of entrepreneurship and apply them to a corporate setting. Instructions of how to establish corporate entrepreneurial vision, strategy, and direction are included. Students discuss methods for relating intrapreneurship to other functions such as human resource management, new product development, research and development, and corporate venturing. This course is also designed to develop an understanding of the scope and complexity of the issues related to fostering and developing innovation and entrepreneurial endeavors within established enterprises, including the corporation. Topics to be examined include the challenges and opportunities for both employees and senior leaders in creating and maintaining a culture that fosters both intrapreneurial endeavors and corporate entrepreneurship. Prerequisite(s): ENTR 3013 or concurrent enrollment in ENTR 3013 and ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

ENTR 4033 - Social Entrepreneurship

Social entrepreneurship is a relatively new form of business venture where business and non-profit leaders design, grow, and lead mission-driven enterprises. This course is for students who are currently leading or aspiring to lead a social venture. Students will gain knowledge, analytical competence, and leadership skills necessary for social entrepreneurship through discussion, case studies, guest speakers, site visits, and research, culminating in student presentations and a business plan. The course is interactive and experiential and assumes students are highly motivated. The course explores current thoughts and trends in the emerging field of social entrepreneurship, examines social systems, and looks at examples of successful and not-so-successful social entrepreneurial ventures. Prerequisite(s): ENTR 3013 or concurrent enrollment in ENTR 3013 and ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

ENTR 4043 - Technology Entrepreneurship

This course introduces the fundamentals of technology entrepreneurship. Students will learn about various processes employed by technology entrepreneurs to launch business ventures. The entrepreneurial processes include: conceiving a technology idea, identifying a high-potential commercial opportunity, accumulating tangible and intangible resources (e.g., talent and capital), developing a plan to sell and market the idea, and managing rapid growth of the start-up. The course will address the operational details of developing new products or processes, managing R&D, developing business plans, obtaining venture financing, or developing marketing plans for high-tech environments. To gain practice experience alongside the theory, students will form teams and work on startup projects in those teams. Prerequisite(s): ENTR 3013 or concurrent enrollment in ENTR 3013 and ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

ENTR 4053 - Energy Entrepreneurship

This course introduces the student to a wide range of considerations regarding entrepreneurship in the energy field. The production, transmission, distribution, and consumption of energy has a great impact on our lives in terms of national security, quality of life, national economics, as well as global and local environmental challenges. Energy is intrinsically linked to the environment and the international challenges of producing and utilizing energy at reasonable cost balanced with appropriate human and environmental concerns. Therefore, it is desirable to produce energy business personnel who understand the energy system at a holistic level, and yet, still retain the appropriate business skills to meet the challenges ahead. Prerequisite(s): ENTR 3013 or concurrent

enrollment ENTR 3013 and ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

ENTR 4063 - Metropolitan Entrepreneurship

This course is an examination of entrepreneurial metropolitan ecosystems and business ventures. It provides students with both a theoretical and practical understanding of new venture creation in the metropolitan geography, including the characteristics of the metropolitan entrepreneur and clusters. Students will explore current thoughts and trends in the development of metropolitan entrepreneurial ecosystems and subsystems. In addition, examples of successful and not-so-successful efforts to grow metropolitan entrepreneurial ecosystems and individual ventures will be analyzed. In a final project, students develop economic development plans for metropolitan areas. Prerequisite(s): ENTR 3013 or concurrent enrollment in ENTR 3013 and ENTR 3203 or concurrent enrollment in ENGR 3203. Junior or senior standing.

ENTR 4073 - International Entrepreneurship

This course investigates the role of the entrepreneur in creating new international business ventures. The course provides students with both a theoretical and practical understanding of new venture creation in the global marketplace, including extensions of domestic enterprises and new enterprises. Students will learn current thoughts and trends in the emerging fields of international entrepreneurship. Students will also analyze examples of successful and not-so-successful international entrepreneurial organizations. Subsequently, students are expected to develop business plans for new international enterprises. Prerequisite(s): ENTR 3013 or concurrent enrollment in ENTR 3013 and ENTR 3203 or concurrent enrollment in ENTR 3203. Junior or senior standing.

ENTR 4233 - Idea to Opportunity

This course evaluates idea assessment, market and competitive analysis, trends, distribution systems, and customer needs to determine if launching a business is feasible. Assessments are made across industries, including retail, manufacturing, distribution, services, and technology. The course presents tools and techniques for evaluation and assessment of opportunities for new businesses. Subsequently, business modeling and opportunity valuation will be the focus of this course. Overall, this course provides the foundation for writing a business plan. Prerequisite(s): ENTR 3203, ENTR 3213 and ENTR 3223 or concurrent enrollment in ENTR 3223.

ENTR 4243 - Venture Scaling & Finance

In this course, the venture ideas that students developed in ENTR 3203 and ENTR 4233 will continue to be evolved through to the early growth phase of the venture life cycle. In this course the focus will be on topics such as management, marketing, sales, financials, next levels of fundraising, management team and founder as leader, and other topics related to bringing ventures to fruition. In addition, the reasons businesses typically fail will be analyzed. Students will be able to update and present a solid business plan for an existing enterprise. Areas covered will include identifying and assessing opportunities for business expansion, developing a winning strategy, identifying resource requirements and selling the plan to financing sources. Students interact with entrepreneurs, suppliers, customers, and experts in order to scale a new venture as it becomes more viable. Prerequisite(s): ENTR 3203, ENTR 3213, (ENTR 3223 or concurrent enrollment in ENTR 3223) and (ENTR 4233 or concurrent enrollment in ENTR 4233).

ENTR 4353 - Venture Launch

In this course students will be immersed in the issues encountered by entrepreneurs while starting a new venture. They will be challenged to evaluate and build upon the opportunities they developed in prerequisite courses by considering industry, market and product research through the lens of the execution phase of the start-up venture life cycle. Students will work in teams and develop a business plan and prepare a venture presentation suitable for obtaining investor funding. Contingency strategies will be developed as necessary after students re-

ceive feedback on progress and viability. This course may not be taken if ENTR 4553 has already been taken or is concurrent. Prerequisite(s): ENTR 3203, ENTR 3213, ENTR 3223, ENTR 4233, and ENTR 4243.

ENTR 4553 - New Venture Presentation

This is an experiential learning course where students will apply what they have learned in other entrepreneurship and business courses. Students will work in teams and develop a business plan, prepare a presentation, and compete in a state or national business plan competition (e.g. Donald W. Reynolds Governor's Cup) before actual inventors as judges. This course allows students to put into practice everything they have learned about starting and funding a new business venture. This course may not be taken if ENTR 4353 has already been taken or is concurrent. Prerequisite(s): ENTR 3203, ENTR 3213, ENTR 3223, ENTR 4233 and ENTR 4243.

ENTR 4900 - Practicum in Entrepreneurship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4910 - Seminar in Entrepreneurship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4920 - Workshop in Entrepreneurship

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ENTR 4930 - Individual Study in Entrepreneurship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4940 - Field Study in Entrepreneurship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4950 - Internship in Entrepreneurship

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

ENTR 4960 - Institute in Entrepreneurship

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ENTR 4970 - Study Tour in Entrepreneurship

Credit will vary. Subject matter will vary within the department's field of study.

FAMILY AND CONSUMER SCIENCE EDUCATION (FACS)

Department of Adult Education & Safety Sciences

FACS 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FACS 3633 - Problems Of Today's Consumer

This course presents the economic aspects of purchasing for the consumer, including consumer credit, protective agencies, principles of consumer choice, consumer services, and the family as a center for consumer education.

FACS 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 4223 - Fundamentals of Hospitality & Tourism

This course is designed to offer a foundation of knowledge about the hospitality and tourism industry and its importance to global economic and social vitality. It will also inform students about employment opportunities in the hospitality and tourism industry such as in hotels, restaurants, resorts, casinos, convention centers, healthcare and corporate dining facilities, educational institutions and other commercial and noncommercial settings. Prerequisite(s): Junior or senior standing.

FACS 4323 - Parenting Skills Education

This course is designed to provide theories, principles, and skills essential for parents and professionals in guiding children within the family system. Stages of parenthood are identified and problem prevention techniques are stressed, as well as practical skills for working with children. Prerequisite(s): Junior standing or above.

FACS 4453 - Consumer Management

This course is designed to provide a framework for examining the key areas of personal and family financial decision-making, and the relationship of course content to home economics education.

FACS 4513 - Family Resource Management

This course is the study of effective management concerning values and goals as reflected in decision-making about personal and family resources. Prerequisite(s): Junior standing or above.

FACS 4573 - Career Education

This course is designed to provide the student with skills to balance career and personal life when making career decisions, to become skilled in the use of career information resources, to acquire job seeking skills and to understand the nature of the changing labor market. Prerequisite(s): Junior or senior standing.

FACS 4753 - Program Development

This class is designed to provide family and consumer science education majors with knowledge and skills needed for developing a vocational family and consumer science program.

FACS 4853 - Methods Of Teaching

This course will focus on understanding diverse learners, developing relevant instructional plans and presentation skills using a variety of techniques, media, and technology.

FACS 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FACS 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FACS 4950 - Internship

Credit will vary from 1 to 8 hours.

FACS 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FACS 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

**FINANCE (FIN)
Department of Finance**

FIN 2000 - Topics In Finance

Credit will vary from 1 to 4 hours. Consists of selected topics of finance nature, each taught by a member of the finance staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

FIN 2313 - Personal Finance

A survey of the field of personal financial management with major emphasis on problems of budgeting, insurance, bank services, credit usage, and investing.

FIN 3000 - Workshop In Finance

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FIN 3113 - Credit & Collections

This is a comprehensive course in the analysis and management of both consumer and commercial credit. One of the main objectives is to prepare both general managers and credit managers in obtaining and interpreting the information required for credit decisions. The course also includes up-to-date coverage of both federal and state credit laws. Prerequisite(s): ACCT 2113.

FIN 3413 - Real Estate Principles

Methods and practices of operating real estate agencies; conveyance of title, leases, mortgages, liens, contracts to buy or sell; methods of financing; zoning laws, subdividing, developing, agency management; appraisal practices.

FIN 3423 - Real Estate Practice

Continuation of real estate principles with emphasis on practical and operational problems of the broker. Among topics covered will be listings, advertising, sales training, property valuation, property management, office management and closings. Prerequisite(s): FIN 3413.

FIN 3443 - Real Estate Appraising

The theory and application of appraising the value of homes, apartment houses, commercial properties, industrial properties, and raw land.

FIN 3453 - Real Estate Finance

Methods of financing all types of real estate, sources of funds, analysis of mortgage risks, FHA, underwriting, influences of governmental agencies. Prerequisite(s): ACCT 2133.

FIN 3473 - Real Property Management

Developing, executing and evaluating comprehensive plans for the management of various kinds of real estate including: office buildings, industrial properties, hotels, store property, conventional housing; handling tenant credit and collections; dealing with maintenance problems; maintaining records and accounting.

FIN 3513 - Risk Management For The Firm

This course presents a comprehensive study of the underlying principles of the risk management process for businesses. The course is designed to provide students with the skills necessary to identify and analyze business loss exposures. Emphasis is placed on the problems that arise from events such as liability lawsuits or natural disasters. Among topics covered are various risk financing and risk control techniques including loss control, self insurance, captives, and insurance.

FIN 3523 - Foundations of Insurance and Risk Management

This course introduces the concept of insurable risk, the foundations of the risk management process, and the viability of insurance as a risk management solution. The student will become familiar with the basic concepts of risk and insurance, introductory topics in risk management, legal principles, property and liability insurance, life and health insurance, employee benefits, social insurance company operations.

FIN 3553 - Property And Liability Insurance For The Firm

This course examines the fundamental principles and uses of property and liability insurance. Covered topics include traditional and modern theories of risk, the economic institution of insurance, property and liability coverages, and functional insurance areas. Attention is devoted to the role of property and liability insurance in addressing the economic and social problems encountered by businesses. This course replaces FIN 3533 and FIN 3543. Prerequisite(s): FIN 3523.

FIN 3563 - Fundamentals Of Business Finance

This is an introductory-level course in financial management with emphasis on the theoretical concepts, methods, and problems of financing the various types of business firms. Prerequisite(s): All business majors: MATH 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2103, ECON 2173 and ECON 2203 must all be completed with a minimum "C" grade. Non business majors must seek departmental or academic advisor permission.

FIN 3603 - Financial Statement Analysis

Techniques and principles in the detailed analysis of accounting statements from the viewpoint of lenders, investors, or the financial managers of the firm. Not open to accounting majors. Prerequisite(s): FIN 3563.

FIN 3613 - Life and Health Insurance

Analysis of insurance contracts, insurance carriers and insurance programming. Also covers life insurance annuities, group insurance, pension plans and business uses of life insurance. Prerequisite(s): FIN 3523.

FIN 3703 - Retirement Planning

This course deals with retirement planning for individuals, including a study of corporate and individual retirement plans, integration of government benefits, retirement forecasts, investment management during retirement, income distribution needs, and identifying individuals' retirement objectives. Prerequisite(s): Junior or senior standing.

FIN 3990 - Advanced Topics In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 4123 - Consulting In The Real Environment

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MRKT 4123, MGMT 4123. Prerequisite(s): Open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

FIN 4213 - Investments

Survey of various investment media; planning sound investment programs; sources of investment information. Prerequisite(s): FIN 3563.

FIN 4243 - Commercial Bank Management

An introductory-level course designed to acquaint the student with the various problems, practice theories, and concepts relating to the management and operation of commercial bank. Prerequisite(s): FIN 3563.

FIN 4253 - Intermediate Business Finance

A study of the finance function in the business firm with emphasis upon the application of financial theories and concepts to realistic business situations. The course stresses problem solving, case studies, and the development of necessary analytical skills related to the financing of the business firm. Prerequisite(s): FIN 3563.

FIN 4263 - Small Business Finance

An introductory-level course emphasizing the theories, concepts, problems, and practices relating to the financing of the small business firm. Prerequisite(s): FIN 3563.

FIN 4273 - International Finance

An introductory-level course designed to acquaint the student with the theories, concepts, problems, and practices encountered in the financing of the multinational business firm. Prerequisite(s): Junior standing.

FIN 4283 - Capital Budgeting

An introductory-level course designed to explore both the theoretical foundations and the practice application of the various techniques used in analyzing the long-term investment alternatives of the business firm. Prerequisite(s): FIN 3563.

FIN 4333 - Derivative Securities

A study of various derivative securities traded in current financial markets. The course introduces the characteristics of various derivatives (e.g., put options, call options, futures contracts, and swaps) and demonstrates their use in investing and portfolio management. The course includes lectures, case discussions, computer analysis, and contemporary readings. Prerequisite(s): FIN 4213.

FIN 4343 - Security Analysis

Procedures and principles used in the building and maintaining of investment portfolios for the individual investor. Prerequisite(s): FIN 4213.

FIN 4353 - Case/Computer Applications In Finance

A case approach to solving business finance problems, both practical and theoretical, using the computer as a tool for analysis. Prerequisite(s): FIN 3563.

FIN 4363 - Contemporary Problems In Finance

A course designed to increase the practical knowledge of the problems faced by the financial managers of modern business firms. Textbook theories and current events are discussed, case analyses and oral presentations are also required. Prerequisite(s): Junior standing.

FIN 4373 - Advanced Real Estate Appraisal

To provide students with an advanced study of real estate appraisal by covering the entire valuation process. The sales comparison approach to value and the cost approach to value are treated in depth. The fundamentals of the income capitalization approach to value are introduced using simple direct capitalization techniques. Prerequisite(s): FIN 3443; junior standing.

FIN 4383 - Real Estate Investment

This course is designed to give the student the necessary academic background to make proper real estate investment decisions. Topics to be covered include: the characteristics of residential, commercial, and individual investment properties and securities, the various risks encountered by the investor and profitability prospects and measurements. Prerequisite(s): ACCT 2133, no enrollment restrictions.

FIN 4403 - Contemporary Problems In Banking

This course is designated as a second course in the field of banking. It is designed to acquaint the students with current problems and issues in the banking industry and to provide a format for the discussion of these, plus advanced theories of banking. Emphasis will also be placed

on the utilization of case problems and for a discussion of selected readings from the literature of banking. Computer techniques and their applications to banking problems will also be stressed. Prerequisite(s): FIN 4243; junior standing.

FIN 4413 - Financial Institutions

An analysis of the operations, management, and financing problems of the various financial institutions of the United States. Prerequisite(s): 3563.

FIN 4423 - Employee Benefit Planning

This course examines the approaches to protecting employees' financial security from the perspective of businesses by studying the basic concepts and managerial considerations underlying the group insurance mechanism for providing life, health, disability, and retirement plans. Topics covered include the theory and practice regarding employee benefits plan design, administration, cost, funding, regulation and tax considerations. Prerequisite(s): Junior or above standing.

FIN 4513 - Public Sector Risk Management

This course is designed to explore the unique aspects of risk management from the perspective of the public entity. Topics covered will include risk identification, management, and control from the perspective of the public entity. Issues such as pooling for risk financing, managing distinctive liability, claims and litigation, establishment of risk management programs, disaster planning, and emergency response will be covered. Prerequisite(s): Junior standing or above.

FIN 4523 - Risk Control for the Firm

This course lays the foundation for developing a risk control program for the firm. Topics covered include planning for and controlling fire losses, protecting the health and safety of human resources, managing employee rehabilitation, loss control systems, motivating, monitoring risk control activities, including cost benefit analysis of various risk control programs and forecasting changes in projected losses from various risk control programs. This course is designed to help prepare the student for the AICPCU series 55 exam in risk control. Prerequisite(s): Junior standing or above.

FIN 4533 - Risk Financing for the Firm

This course lays the foundation for developing a risk financing program for the firm. In this course insurance as a risk financing technique is examined, issues of excess liability are considered, self insurance, reinsurance, and captive insurance, and retrospectively rated plans are explored as risk financing techniques. Finite and integrated risk insurance plans are examined as well as capital market products such as futures and derivatives and their value as risk financing techniques are developed. This course is designed to help prepare students for the AICPCU series 56 exam in risk financing. Prerequisite(s): Junior standing or above.

FIN 4613 - Financial History

This course covers the historical development of money and financial institutions and markets in the United States and from an international comparative context. Coverage includes monetary theory, central banking and securities markets, insurance markets, and a discussion of governmental finance and the emergence of the corporation as the dominant business form. The class includes an analysis of historic financial crisis and speculative excesses along with the behavioral finance implications of such events. Prerequisite(s): Junior standing or above.

FIN 4900 - Practicum In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 4910 - Seminar In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 4920 - Workshop In Finance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FIN 4930 - Individual Study In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 4940 - Field Study In Finance

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FIN 4950 - Internship In Finance

Credit will vary from 1 to 8 hours.

FIN 4960 - Institute In Finance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FIN 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FIN 497PT - Study Tour Pre-Trip

**FOREIGN LANGUAGE (FLGN)
Department of Modern Languages,
Literature & Cultural Studies**

FLGN 2000 - Topics In Foreign Language

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 3000 - Workshop In Foreign Language

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FLGN 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 4103 - Literature Of French/Hispanic Caribbean

This course provides an introduction to French and Hispanic Caribbean literary movements. Texts are available in original French and/or Spanish, and also in English translation. Concepts introduced include colonial independence and patriotism, negritude, social injustice, and spirituality of santeria and voodoo, among others. Prerequisite(s): Seventeen hours in a language (French or Spanish).

FLGN 4843 - Methods Of Teaching Foreign Languages

Prerequisite(s): 17 hours of the language in which certification is being sought.

FLGN 4910 - Seminar In Foreign Language

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit.

FLGN 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FLGN 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FLGN 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FLGN 4950 - Internship In Foreign Language

Credit will vary from 1 to 8 hours.

FLGN 4960 - Institute In Foreign Language

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FLGN 4970 - Study Tour In Foreign Language

Credit will vary. Subject matter will vary within the department's field of study.

**FAMILY AND CHILD DEVELOPMENT (FMCD)
Department of Human Environmental Sciences**

FMCD 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMCD 2213 - Child Development

This course is the study of physical, social, emotional, and cognitive development of children from conception through adolescence. The course's emphasis will be on normal child development within family, social and cultural context. Observation assignments will be utilized as a method of studying children.

FMCD 2223 - Marriage

This course examines the role of men and women in present day society with engagement and marriage relationships. The class is open to freshmen and sophomores. It is especially recommended to fulfill university core curriculum requirements.

FMCD 2313 - Sex Through The Life Span

This course will focus on the understanding of human sexuality from behavioral, cultural, and psychological perspectives. This course will include anatomy, physiology, and sexual behaviors with an emphasis on healthy sexual adjustment throughout the life span. This course is replaced by FMCD 2312.

FMCD 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FMCD 3012 - Introduction To Family Life Education

This is an introductory course into the major area of study in Family Life Education. This course includes professionalism, organizations, child and family advocacy, and research in FLE field and FLE career opportunities. Ethical codes of conduct and standards will be studied. This course is open to Family Life Education majors and sophomores, juniors, and seniors.

FMCD 3093 - Middle Childhood Development/Field Study

This course will study the normal growth and development of children between the ages of 5-6 and 12 years. The characteristics of school age children in the following areas will be studied: physical, cognitive, and psychosocial. Special emphasis will be on developmental stages and behavior through field experiences and class discussion. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

FMCD 3243 - Adolescent Development/Field Study

This course is a study of the growth and development of the child beginning at the age of 12 years. Physical, cognitive, and social development will be examined. Special issues in adolescence will also

be studied such as family relations, peer relations, and school issues through class discussion and field experience. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

FMCD 3252 - Cognitive & Moral Development

This course is a study of cognitive and moral theories of development and how the theories influence behavior, values and ethics. This course will include examination of the major theorists in the field of cognitive and moral development, their research and the resulting theories. Prerequisite(s): FMCD 2213 and junior standing.

FMCD 3313 - Guidance Of The Young Child

This course will focus on the developmental needs and behavior of young children with emphasis on methods and principles of guidance. This course includes laboratory experience in the child study center. Prerequisite(s): FMCD 2213 or PTE 3133.

FMCD 3423 - Aging & Adult Development

This course is a study of the dynamic processes of adult development based on research and theory including the physical, emotional, and social development of the aging process. Prerequisite(s): Sophomore standing or above. Enrollment open to Family Life Education majors only.

FMCD 3723 - Infancy/Early Childhood Development/Field Study

This course will study prenatal development, birth, infancy, and early childhood. Special emphasis will be placed on the developmental stages and behavior through class discussion and field experience. This course replaces FMCD 3722. Prerequisite(s): FMCD 2213. Enrollment open to child development or marriage and family majors only. Sophomore, junior, or senior standing.

FMCD 3813 - Developing Assessment And Evaluation

This course will explore developmentally appropriate measures designed for young children. This course will examine formal and informal means of evaluating children and families. Observation and field experience will allow for active participation with assessment and evaluation. Prerequisite(s): FMCD 2213 and junior standing.

FMCD 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMCD 4002 - Case Management

This course covers principles, practices and issues in case management. The course will increase self-awareness and familiarize students with the concepts and skills required to work with clients in a case management role. Prerequisite(s): Junior or senior standing.

FMCD 4253 - Administration Of Professional Services/FLE

This course will develop the knowledge and skills necessary to manage and/or direct a child care facility. This course includes policy making, budgeting, personnel management, evaluation, staff development, facilities and equipment, regulations, and parent relations. This course replaces FMCD 4252. Prerequisite(s): FMCD 2213, 9 hours child development or early childhood and 6 hours related field. Enrollment open to Family Life Education majors only. Junior or senior standing.

FMCD 4333 - Current Issues In Family Diversity

Current Issues in Family Diversity will expand students' awareness of cultural variations within families. The areas of kinship, family organization, traditions, interpersonal relationships, parenting practices, values and beliefs, and prejudice will be the focus for the class. Prerequisite(s): Enrollment open to Family Life Education majors only. Junior or senior standing.

FMCD 4413 - Contemporary American Families

This course centers around the family as it moves through the stages of the family life cycle emphasizing development and relationships of family members.

FMCD 4433 - Policies/Programs For Older Adults

Policies and Programs for Older Adults is designed to provide students with an overview of gerontology with an emphasis on principles of practice, application of research, and the formulation of policies as they relate to older adults. The course will identify and describe programs designed especially for older adults. Prerequisite(s): Junior or senior standing.

FMCD 4453 - Social Gerontology Today

Students will explore human aging in a broad sociocultural context. Course emphasis will be on the historical, philosophical, and demographic aspects of aging, theories of social gerontology, and attitudes toward aging and the aged. Cross cultural perspectives on aging, the sociology of retirement, and aging in the community will be researched. Prerequisite(s): Junior or senior standing.

FMCD 4513 - Family Law And Public Policy

This course is a general survey of government programs and policies that impact on the family. Course topics include child care, aging, legal aspects of family life, mental health, generational equity, family violence, income maintenance, and family impact analysis. Students will be encouraged to critique past and current policies as well as develop a research policy agenda for the future. Prerequisite(s): Junior or senior standing. Enrollment open to Family Life Education majors only.

FMCD 4712 - Parent Education

This course is an in-depth study of programs that facilitate parent education. The history of parent education programs and group dynamics of home-based parent education programs will be studied. Prerequisite(s): Enrollment open to Family Life Education majors only.

FMCD 4874 - Play, Curriculum And Program Development

This course is a study of how to plan for play and developmentally appropriate curriculum in a program for young children. This course will examine philosophy, developmental stages of play and curriculum to create a model program for early childhood programs. This course replaces FMCD 4872. Prerequisite(s): Enrollment open to Family Life Education majors only.

FMCD 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Senior standing, family and child development majors only and written permission of the instructor required.

FMCD 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMCD 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FMCD 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMCD 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FMCD 4950 - Internship

Credit will vary from 1 to 8 hours.

FMCD 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FMCD 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FASHION MARKETING (FMKT)**Department of Human Environmental Sciences****FMKT 1203 - Basic Clothing Construction**

This course will focus on the fundamental principles of fabric selection and construction and their application to simple garments. This course is open to all students with no previous sewing experience.

FMKT 1303 - Introduction To Textiles

This course is a study of the factors involved in the selection and purchasing of textile materials including identification of fibers, fabrics, weaves, yarns, colors and finishes.

FMKT 2000 - Topics In Fashion Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMKT 2113 - Fashion Marketing

This course is an introduction of the history, characteristics, operations, practices, and interrelationships of all segments of the fashion industry. Emphasis is placed on how fiber, textiles, apparel producers, and retailers market their products within the industry and to the consumer. This course replaces FMKT 3113.

FMKT 2233 - Creative Problem Solving

This course involves participatory problems in marketing, merchandising, business practices, and design, and includes the critique of proposed solutions as a positive process of evaluation.

FMKT 2313 - Advanced Clothing Construction

This course will focus on the selection and construction of more difficult garments with special emphasis on fitting and alteration of patterns and garments. Prerequisite(s): FMKT 1203.

FMKT 2323 - Global Protocol And Diversity

A course designed to introduce students to global communication concepts stressing diversity as well as the impact of culture on international commerce and public relations. It includes the study of customs, symbolism, protocol and cultural practices of countries the United States currently trades with to enable students to conduct themselves successfully without making cultural blunders. The course explores differences in greetings, surnames, body language, personal appearance, sensitivities, etiquette, cuisine, gift giving, gender awareness, and the values of these trading partners.

FMKT 3000 - Workshop In Fashion Marketing

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FMKT 3223 - Hard Goods Merchandising

This course is designed to give a thorough presentation of hard goods merchandising usually found in a department store. Recent developments in new products, synthetics will be treated in detail. Consideration will be given to recent trade commission guidelines. Prerequisite(s): FMKT 2113. This course replaces FMKT 4222.

FMKT 3233 - Decorative Textiles

This course is an in-depth study of decorative fabrics used in interior design and apparel fashions. Emphasis is placed on characteristics of symbolism, durability and suitability, and their relationship to design. Prerequisite(s): FMKT 1303 and junior standing. This course replaces FMKT 4232.

FMKT 3243 - Fashion Advertisement And Promotion

This course is designed to acquaint the student with a professional approach to information and ideas dealing with fashion promotion. Consideration will be given to the dissemination of fashion news and mass communication techniques through individual store promotion. Students analyze advertisement, displays, publicity and other promotional practices of leading retail firms.

FMKT 3323 - Fashion Accessories

This course is an introduction to major areas of fashion merchandise accessories found in a retail store: leather products, furs, shoes, hats, scarves, handbags, hosiery and active wear. Accessories are analyzed in terms of materials, construction and price ranges and acquaints students with the selling techniques used in these merchandise categories. Prerequisite(s): FMKT 2113. This course replaces FMKT 4323.

FMKT 3453 - Clothing Selection

A study of art principles applied to personal appearance of clothing for the individual.

FMKT 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMKT 4043 - Apparel Entrepreneurship

This course is designed as an in-depth capstone study in fashion marketing issues, which pulls together the content as well as the format of a well-conceived business plan. Students will research and develop individual business plans for utilizing retail and/or production entrepreneurs. The concepts used to develop and organize the business plan include: market analysis; accounting and control; merchandising and buying; operations and management; and advertising and promotion. Prerequisite(s): FMKT 2113, 3243, 3453 and 4583.

FMKT 4343 - Image Building For Job Success

This course is designed to help students look and feel more attractive. Emphasis will be placed on body movements, cosmetics, and fashion and how they affect self image and color one's relationship with others.

FMKT 4423 - Heritage Of Dress

This is an in depth study of the development of costume and fashion from the ancient Egyptians to present day with an emphasis on interpreting and analyzing current fashion trends from a historical perspective. Prerequisite(s): upper division standing and six hours of history and/or humanities. This course replaces FMKT 4422.

FMKT 4583 - Fashion Buying and Analysis

This course is designed to equip the fashion marketing student with the facts, skills, and concepts necessary for entry into a management or buying level position. Retail buying, management inventories, and merchandising mathematics will sharpen the students' ability to make decisions based on sound logic. Prerequisite(s): FMKT 2113; junior or senior standing.

FMKT 4621 - Dress for the Professional

This course is designed to relate one's dress to career demands and successes and to discover an affordable, accomplished, versatile, and professional approach to clothing selection and wardrobe coordination. Designed for both male and female students.

FMKT 4900 - Practicum In Fashion Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMKT 4910 - Seminar In Fashion Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMKT 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FMKT 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FMKT 4940 - Field Study in Fashion Marketing

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FMKT 4950 - Internship

Credit will vary from 1 to 8 hours.

FMKT 4960 - Institute In Fashion Marketing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FMKT 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

**FUNERAL SERVICE (FNRL)
Department of Funeral Service**

FNRL 1211 - Orientation To Funeral Service

This course addresses education in the funeral service program, embalming, state boards, and regulations related to the funeral service profession. Prerequisite(s): Enrollment first semester with declared major of Funeral Service.

FNRL 2000 - Topics In Funeral Service

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 2214 - Introduction to Human Anatomy/Dissection

This course is a study of the basic concepts in human anatomy, function and design through lecture presentation, and of anatomical structure identification through dissection and laboratory observation using cadavers. This course is for funeral service, nursing, forensic science, paramedical, and premedical students. Prerequisite(s): One college course in general biology. Concurrent enrollment in FNRL 2214L is required.

FNRL 2214L - Introduction to Human Anatomy/Dissection

This is the laboratory course that accompanies FNRL 2214. Prerequisite(s): One college course in general biology. Concurrent enrollment in FNRL 2214 required.

FNRL 2313 - Contemporary Funeral Service

This course covers the contemporary principles of funeral directing, cremation, and modern funeral issues. It includes the study of funeral merchandising, crematory management, legal issues, disposition of human remains and current practices in the profession.

FNRL 3000 - Workshop In Funeral Service

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FNRL 3054 - Embalming Chemistry

This course surveys the basic principles of chemistry as they relate to funeral service. Emphasis is placed on the precautions involved in disinfection, temporary preservation, and restoration of dead human re-

mains before, during and after embalming. Federal government safety regulations are reviewed. Prerequisite(s): CHEM 1014.

FNRL 3204 - Embalming

This course surveys the process of chemically treating the dead human body to reduce the presence and growth of microorganisms, temporarily inhibit organic decomposition, and restores bodies to an acceptable physical appearance. The subject includes the study of the phenomenon of death in the human body. Prerequisite(s): FNRL 1114.

FNRL 3214 - Human anatomy & Dissection

This is a cadaver course in anatomy, providing thorough coverage of human anatomy, systems of the body, and their integration. The course is intended for pre-health professions, forensic science students, and others wanting a comprehensive foundation in human anatomical structure and cadaver dissection experience. Prerequisite(s): Eight hours of BIO courses and junior level or above. Concurrent enrollment in FNRL 3214L is required.

FNRL 3214L - Human Anatomy & Dissection Laboratory

This is the lab course for FNRL 3214. It is a cadaver course in anatomy, providing thorough coverage of human anatomy, systems of the body, and their integration. The course is intended for pre-health professions, forensic science students, and others wanting a comprehensive foundation in human anatomical structure and cadaver dissection experience. Prerequisite(s): Eight hours of BIO courses and junior level or above. Concurrent enrollment in FNRL 3214 is required.

FNRL 3304 - Restorative Art

This course introduces the student to the materials and techniques of creating an acceptable physical appearance of the deceased for the benefit of viewing by the surviving family and friends. Concurrent enrollment in FNRL 3304L is required.

FNRL 3304L - Restorative Art Laboratory

Laboratory sections involve applying procedures and anatomical restoration and cosmetics application to the deceased for the purpose of creating an acceptable physical appearance. Students must enroll in FNRL 3304 and FNRL 3304L concurrently.

FNRL 3374 - Funeral Home Management I

This course covers the principles and practices of funeral home operations, funeral directing, record keeping, merchandising, and personal and professional ethics.

FNRL 3383 - Funeral Service Statutory Law

This course deals with statutory laws and legal medicine as pertaining to the funeral service profession.

FNRL 3393 - Mortuary Jurisprudence

This course covers the principles of business law dealing with corporate structure, and property ownership, and the rules and regulations pertaining to survivor benefits relating to the practice of funeral service.

FNRL 3433 - Introduction To Pathology

This course is a study of the general concepts in pathology, and covering disease processes to include pathogenesis, etiology, lesions, and pathological changes for diseases of specific organ systems and pathogenic agents. Prerequisite(s): BIO 1114.

FNRL 3483 - Psychology of Grief

This course provides a survey of bereavement behavior in American society, including historical and cross-cultural perspectives. This course includes an evaluation of human grief and its implications for coping strategies.

FNRL 3493 - Funeral Service Communication

This course provides a theoretical and practical framework in counseling for development of effective communication skills within the funeral service profession. Prerequisite(s): FNRL 3483.

FNRL 3513 - History Of Funeral Directing

This course deals with the history of funeral directing from ancient to modern times, and professional and educational associations involved in the funeral service profession.

FNRL 3623 - Thanatology & Unresolved Grief

This course explores death, dying and bereavement with respect to the social and cultural impact resulting from loss, death, and grief. Topics include formal religious traditions and spiritual influences commonly intertwined with the death experience with a historical and contemporary perspective on death and dying. Other topics include family systems, life span issues, and ethical and legal issues. This course will also examine the results of unresolved grief from major losses, with an emphasis on the life complications and feelings resulting from unresolved grief during a lifetime. Prerequisite(s): FNRL 3483.

FNRL 3990 - Advanced Topics

Credit will vary from 1 to 4 hours; subject matter will vary within the department's field of study.

FNRL 4118 - Practice Of Embalming & Funeral Directing

This course provides practical experience in embalming and funeral directing in a mortuary or funeral home environment under the supervision of a licensed embalmer and/or funeral director. It includes active participation in at least ten cases of embalming of human remains and the planning and directing of ten or more funerals. This course is the capstone course of the major. It is to be taken only after all other FNRL courses have been passed, except the corequisite, and is to be taken in the semester prior to graduation. Prerequisite(s): All required degree courses of major with exception of corequisite FNRL 4522 and senior standing. Enrollment open to Funeral Service degree and certification majors only.

FNRL 4183 - Natural History of Bereavement

This course explores the nature of grieving as a natural evolutionary process, one that examines how grief originated through the process of natural selection. The course examines the fundamentals of evolutionary psychology by comparing contemporary and ancestral cultures in order to better understand the universality and diversity of grief. Principles of narrative psychology, which is interested in the "storied nature of human conduct", that is, how humans understand experience by constructing stories, are used to better understand the human grief experience. Prerequisite(s): PSY 1103 or FNRL 3483 and junior standing or above.

FNRL 4214 - Funeral Home Management II

This course covers the principles and practices of funeral home financial management, critical issues in funeral service, cremation, cemetery, crematory management and sociology. Prerequisite(s): ACCT 2223 or ACCT 2113. Enrollment open to funeral service majors only.

FNRL 4222 - Sterile Eye Enucleation

This course covers the techniques, procedures and legal considerations in removing donor eyes and/or corneas for eye banks.

FNRL 4300 - Supervised In-Service Training

This course is a supervised in-service training in a mortuary or funeral home, full-time for one 16-week semester. Assigned credit will vary from 4 to 9 hours. Prerequisite(s): FNRL 4118.

FNRL 4319 - Supervised In-Service Training

This course is a supervised in-service training in a mortuary or funeral home, full-time for one 18-week semester. Prerequisite(s): FNRL 4118.

FNRL 4522 - Board Review

This course involves preparation for state and national board examinations in Funeral Service. It is to be taken during the semester prior to graduation. Students will take the National Board Examination

as a requirement for this course after all other Funeral Service major requirement courses have been taken except FNRL 4118 Practicum in Embalming and Funeral Directing. Prerequisite(s): All required degree courses of major with exception of corequisite FNRL 4118 and senior standing. Enrollment open to Funeral Service degree and certification majors only.

FNRL 4900 - Practicum In Funeral Service

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 4910 - Seminar In Funeral Service

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FNRL 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FNRL 4950 - Internship

Credit will vary from 1 to 8 hours.

FNRL 4960 - Institute In Funeral Service

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FNRL 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

FRENCH (FRCH)**Department of Modern Languages, Literature & Cultural Studies****FRCH 1003 - Elementary French Conversation I**

A general introduction to French conversation for individuals with no previous formal study of French. This course does not apply toward the major or minor.

FRCH 1013 - Elementary French Conversation II

This course is the sequel to Elementary French Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. This course does not apply toward the major or minor. Prerequisite(s): FRCH 1003.

FRCH 1114 - Elementary French I

This course is an introduction to French pronunciation, conversation, grammar, reading and composition. Credit may not be earned for both FRCH 1114 and FRCH 1243.

FRCH 1224 - Elementary French II

This course is a sequel to Elementary French I. Credit may not be earned for both FRCH 1224 and FRCH 1263. Prerequisite(s): FRCH 1114 or one year high school French.

FRCH 1243 - Basic French Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose foreign language objective is the acquisition of a reading knowledge of French. May not be used to satisfy requirements for a French major or minor. Credit may not be earned for both FRCH 1114, FRCH 1243.

FRCH 1263 - Basic French Reading Skills II

Continuation of FRCH 1243. May not be used to satisfy requirements for a French major or minor. Credit may not be earned for both FRCH 1224 and FRCH 1263. Prerequisite(s): FRCH 1243.

FRCH 2000 - Topics In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRCH 2113 - Intermediate French I

Intermediate French I presents a review of French grammar and application of grammatical principles through reading, composition, and culture, complemented by audio and visual materials. Prerequisite(s): FRCH 1114 and 1224.

FRCH 2223 - Intermediate French II

This course focuses on French linguistics, reading, writing, and in-class discussions. It is also a bridge course for continued studies in French and a springboard for Study Abroad and Study Tour experiences in Francophone countries. Prerequisite(s): FRCH 2113, or AP Language Test score of 5.

FRCH 3000 - Workshop In French

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FRCH 3043 - The French Cookbook

The French Cookbook concentrates on building higher proficiency levels in reading, writing, and research skills. The course's theme, French culinary art and customs, is used to develop a deeper awareness and understanding of the French culture from historical, sociological and geopolitical perspectives. Prerequisite(s): FRCH 1114, 1224, and (2113 or concurrent enrollment) with sophomore standing or above.

FRCH 3103 - Early French Culture And Civilization

A study of various aspects of French culture and civilization from the origins to the Renaissance. Prerequisite(s): 14 hours of French.

FRCH 3113 - Modern French Culture And Civilization

A study of the various aspects of French culture and civilization from the Renaissance to the present. Prerequisite(s): 14 hours of French.

FRCH 3153 - The French Scene

The French Scene: Cinema & Performing Arts concentrates on building advanced proficiency levels in reading, writing, and research skills. The course aims to strengthen understanding of the socio-historical background in which specific movements and types of French films and performing arts came to be and also to develop in-depth awareness of French culture through the study of various art forms. Prerequisite(s): FRCH 1114, FRCH 1224 and FRCH 2113.

FRCH 3213 - French Phonetics

A scientific investigation of the French sound system including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 14 hours of French.

FRCH 3223 - Introduction To French Literature Analysis

A comprehensive introduction to methods of literary analysis including a broad spectrum of terminology, authors, genres, periods, and movements. The student will acquire skills in approaching texts from a critical perspective. Prerequisite(s): 14 hours of French including 2113, 2223.

FRCH 3313 - French Translation

This course introduces the strategies for translating short authentic texts from French to English and from English to French. Students will increase their knowledge of complex French grammatical construc-

tions, improve their French vocabulary and gain fluency in expressing themselves in French. Prerequisite(s): FRCH 2113 and 2223.

FRCH 3812 - French Conversation/Total Immersion

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in French. Students will improve their French vocabulary, will gain greater fluency in French and will increase their confidence in the use of French. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of French or Francophone culture. Prerequisite(s): FRCH 2113, 2223.

FRCH 3990 - Advanced Topics In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 14 hours of French.

FRCH 4113 - Advanced French Grammar

Intensive analysis of the structure and rules of French grammar with an emphasis on topics which pose particular complexities. Prerequisite(s): 17 hours of French.

FRCH 4123 - Survey French Literature To 1800

Prerequisite(s): 17 hours of French.

FRCH 4133 - Survey French Literature Since 1800

Prerequisite(s): 17 hours of French.

FRCH 4163 - Early French Drama

This course presents the major literary developments in French drama by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of French.

FRCH 4173 - Modern French Drama

This course presents the major literary developments in French drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): 17 hours of French.

FRCH 4183 - Early French Novel

This course presents the major literary developments in French novel by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of French.

FRCH 4193 - Modern French Novel

This course presents the major literary developments in French novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): 17 hours of French.

FRCH 4303 - Francophone Literatures

This course focuses on the historical and aesthetic evolution of one or more of the literatures of Quebec, the Maghreb, Francophone West Africa, and/or the Caribbean. Prerequisite(s): Seventeen hours of French.

FRCH 4900 - Practicum In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

FRCH 4910 - Seminar In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): 17 hours of French.

FRCH 4920 - Workshop In French

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FRCH 4930 - Individual Study In French

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission required.

FRCH 4940 - Field Study In French

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

FRCH 4950 - Internship In French

Credit will vary from 1 to 8 hours.

FRCH 4960 - Institute In French

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

FRCH 4970 - Study Tour In French

Credit will vary. Subject matter will vary within the department's field of study.

**FORENSIC SCIENCES (FRSC)
Forensic Science Institute**

FRSC 2000 - Topics in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 2503 - Introduction to Forensic Science

Introduction to Forensic Science is a survey course designed to acquaint the student with a comprehensive understanding of today's crime laboratories and investigative techniques involving the proper collection, preservation, and analysis of evidence. The student will be introduced to scientific, technological, and experientially-based procedures as they are applied in the criminal justice system.

FRSC 2613 - Behavioral Aspects of Crime Scenes

Behavioral Aspects of Crime Scenes serves as an introduction to behavioral science and criminal profiling. In this course, students will explore the history of behavioral science in law enforcement; the concept of criminal investigative analysis and profiling; the basic principles of criminal profiling; the structure and function of the FBI's Behavioral Science Units; the evolution of the multi-disciplinary approach to criminal profiling; and legal considerations regarding the use of criminal profiling in the investigation and prosecution of violent crimes. The topics above will be presented through lecture, case presentations by FSI staff, and video documentaries. Prerequisite(s): FRSC 2503.

FRSC 2713 - Digital Evidence

Evidence that is stored on or transmitted by computers plays a major role in a wide range of crimes. This course covers how computers are extensions of traditional crime scenes and how digital evidence can be useful in a variety of investigations from computer intrusions to violent crimes. This course introduces students to how computers and networks function, how they can be involved in crimes, and how they are used as a source of evidence. Topics include computer hardware, network topologies, Internet traces, as well as procedures and tools for properly collecting and preserving digital evidence. Prerequisite(s): FRSC 2503 or permission of instructor.

FRSC 2733 - DNA for Crime Scene Invest

DNA for Crime Scene Investigators serves as an introduction to the fundamental principles of forensic biology and DNA analysis. In this course, students will explore practical topics and current challenges in forensic DNA analysis; the interaction between crime scene investigation and DNA analysis; the basic principles of DNA analysis; communication of results from DNA analysis; the role DNA analysis plays in the multi-disciplinary approach to crime scene investigation; and legal considerations regarding the use of DNA analysis. The topics above will be presented through lecture, case presentations, and student driven discussion. Prerequisite(s): FRSC 2503.

FRSC 2823 - Wildlife Forensics

This course is a broad overview of how different scientific disciplines are used in wildlife forensic cases. Emphasis will be given to the trade

of illegal animals and animal products as well as identification of those items through a number of different methods. Students will have a chance to work with seized materials and attempt to make positive identifications. Prerequisite(s): FRSC 2503 and BIO 1114 or equivalent.

FRSC 3000 - Workshop in Forensic Science

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FRSC 3043 - Crime Scene Processing

The course serves as a comprehensive review of all aspects of evidence collection and preservation. Students will learn the process of crime scene management and become proficient in recognizing evidence and determining the proper packaging and preservation methods. Basic methods in crime scene photography, sketching, and documentation will be explored. Students will demonstrate and enhance their understanding of lecture material through participation in practical crime scene exercises. Prerequisite(s): FRSC 2503 and sophomore standing or above.

FRSC 3123 - Criminal Procedure for Forensic Science

Criminal Procedure for Forensic Science serves as an overview of the American criminal justice system, with particular emphasis on those procedures and processes most applicable to the field of forensic science. Students will be introduced to the constitutional, procedural and administrative aspects of the U.S. justice system and the roles of the many entities and agencies which comprise the system. Students will undertake a study of the laws of arrest and search and seizure, the rules of evidence and the rules of criminal procedure which dictate the manner in which forensic evidence and analysis are introduced and challenged in court. Among the areas specifically addressed will be constitutional law, the phases of jury and bench trials, authentication of evidence, general and expert testimony, rules of discovery, rules of ethics, interagency cooperation, record keeping and retention, and handling and disposition of physical evidence. Prerequisite(s): FRSC 2503 and sophomore standing or above.

FRSC 3323 - Forensic Interviewing

Forensic Interviewing serves as an introduction to all aspects of forensic and investigative interviewing. Students will learn the methodologies and major steps involved in the interviewing and interrogation process and will become proficient in developing, documenting, and conducting various types of interviews. Among the skills which will be developed are information gathering and evaluation, behavioral assessment, strategy development and implementation, legal review and interpretation, expert testimony, and ethics evaluation. Students will demonstrate and enhance their understanding of the interview process through practical exercises involving a variety of case-based scenarios. Course material will be presented through lectures, textbook and supplemental readings, videos, and team-based exercises. Prerequisite(s): FRSC 2503 and sophomore standing or above.

FRSC 3990 - Advance Topics in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4143 - Crime Scene Reconstruction

Crime Scene Reconstruction serves as a comprehensive overview of computer-based and remote sensing technologies in crime scene reconstruction. The focus of this crime scene course is on the use of computer-based, automated data collection, reconstruction, analysis, and courtroom presentation technologies. Students will demonstrate and enhance their understanding of lecture material through participation in practical crime scene exercises. Prerequisite(s): FRSC 2503 and (FRSC 4043 or FRSC 3043) and junior standing or above.

FRSC 4153 - Crime Scene Photography

Crime Scene Photography expands on the basic crime scene photography module taught in Crime Scene Processing, with an emphasis on advanced photographic techniques particularly well-suited to crime scene photography. Students will learn and practice specific photographic techniques relating to composition, basic exposure concepts, focus and depth of field, electronic flash techniques, and proper methodology for creating photo documentation of various types of crime scenes. Photographic concepts will be presented through lecture and demonstration. Students will undertake a number of field exercises designed to develop and test their skills in each area of study. Field exercises will be conducted on the UCO campus in the vicinity of the Forensic Science Institute. Prerequisite(s): FRSC 3043 with junior or senior standing.

FRSC 4163 - Medicolegal Forensics

Death investigations are among the most important, complex, and challenging forensic science responsibilities. Such investigations require an in-depth synthesis of a broad range of Forensic Science disciplines, expertise, and analyses. This course serves as an introduction to all aspects of the application of forensic science to death investigation procedures, processes, and protocols. Students will learn the methodologies and major steps involved in the investigation of untimely death and will become proficient in developing, documenting, conducting, and managing various types of death investigation scenarios. Students will develop skills and knowledge targeted at the integration and synthesis of diverse forensic science disciplines into the death investigation process. Among the skills which will be developed are: information gathering and evaluation; behavioral and interview assessment; scene strategy development and implementation; field and laboratory evaluation of remains; evidence recognition, preservation, documentation, and analyses; autopsy procedures and protocols; legal and regulatory matters, expert testimony; and ethics practices and evaluation. Prerequisite(s): FRSC 3043 and junior or senior standing.

FRSC 4243 - Forensic Psychology

Forensic Psychology provides an overview to the field with a special emphasis in criminal areas. Students will develop an understanding of the most common intersections between forensic mental health and the law, including the criteria required to work as a professional in various capacities. Prerequisite(s): FRSC 2503 and junior or senior standing.

FRSC 4253 - Forensic Science Analysis & Laboratory

Forensic Science Analysis serves as an introduction to classical and modern forensic science techniques with emphasis on the theory of modern impression evidence examinations. Techniques covered include latent fingerprints, handwriting and related document examinations, firearms and toolmarks, and fracture glass examinations. Automated evidence database applications are discussed and practiced. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 2503 and junior standing or above. Concurrent enrollment in FRSC 4253L is required.

FRSC 4253L - Forensic Science Analysis Laboratory

This is the laboratory course that accompanies FRSC 4253. Prerequisite(s): FRSC 2503 and junior standing or above. Concurrent enrollment in FRSC 4253 is required.

FRSC 4263 - Forensic and Biological Anthropology

Forensic anthropology is the application of the theories and principles of biological anthropology to the identification of human remains in order to determine their legal significance. Forensic anthropologists are most often called to scenes when highly decomposed or skeletal remains are discovered. The main role of the forensic anthropologist is to determine if remains are human, if they are recent or ancient, who they were, and what happened to them. Using techniques derived from biological anthropology, remains are examined to elicit age, sex, ancestry, and other unique characteristics which may be used to identify the individual. This course will guide students through the

processes and techniques used by forensic anthropologists to achieve these goals. Students will gain a detailed knowledge of human skeletal anatomy and be able to distinguish human from animal remains. They will also gain an in-depth understanding of taphonomic processes such as decomposition which affect the condition and recoverability of remains. Prerequisite(s): FRSC 2503 and any biology course with junior standing or above.

FRSC 4303 - Forensic Archaeology

This course is an introduction to traditional archaeological methods and how those methods are then used in a forensic setting primarily for the collection and preservation of evidence. This will include basic skeletal biology and the taphonomic process. Emphasis is given to classical methods of searching and gridding before modern electronic methods are taught. The student will, while working in groups, complete an exhumation of a carcass in the field component of the course. Prerequisite(s): FRSC 2503 and junior standing or above.

FRSC 4313 - Forensic Pathology

Forensic Pathology serves as a comprehensive study of multidisciplinary scientific principles and techniques which comprise the modern basis in human death investigation. Emphasis is placed on forensic pathology and odontology of human remains. Prerequisite(s): FRSC 2503 and junior standing or above.

FRSC 4323 - Forensic Toxicology & Laboratory

Forensic Toxicology serves as a "hands-on" introduction to modern toxicological methods in forensic science. Topics and analytical techniques covered include sampling and statistics, sample preparation, instrumentation, and the analyses of alcohol, drugs of abuse, therapeutic drugs, carbon monoxide, and cyanide in biological fluids and tissues. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4323L is required.

FRSC 4323L - Forensic Toxicology Laboratory

This is the laboratory course that accompanies FRSC 4323. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4323 is required.

FRSC 4333 - Forensic Molecular Biology & Laboratory

This lecture and laboratory course presents advanced principles of serology and DNA identification techniques with forensic laboratory applications. This course includes the theory and practice of techniques used to identify and individualize biological samples having a forensic interest. Related database applications are discussed and practiced. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratory. Prerequisite(s): BIO 3304 and junior standing or above. Concurrent enrollment in FRSC 4333L is required.

FRSC 4333L - Forensic Molecular Biology Laboratory

This is the laboratory course that accompanies FRSC 4333. Prerequisite(s): FRSC BIO 3304 with junior standing or above. Concurrent enrollment in FRSC 4333 is required.

FRSC 4343 - Forensic Serology & Laboratory

Forensic Serology is structured to provide advanced concepts of serological techniques as it applies to the collection, preservation and examination of biological evidence. This course includes the theory and practice of techniques used to identify and individualize biological samples having a forensic interest. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratory. Prerequisite(s): FRSC 2503 and junior standing or above. Concurrent enrollment in FRSC 4343L is required.

FRSC 4343L - Forensic Serology Laboratory

Forensic Serology Lab is the laboratory course that accompanies FRSC 4343 Forensic Serology and Laboratory. Prerequisite(s): FRSC 2503 and junior standing or above. Concurrent enrollment in FRSC 4343 is required.

FRSC 4353 - Firearm and Toolmark Analysis

Firearm and Toolmark Analysis allows students to gain a general understanding of basic firearm and toolmark techniques and carry out practical laboratory assignments under the supervision of the instructor. Students will receive instruction and hands-on experience with firearms (rendered safe), ammunition components, toolmark samples, serial number restorative techniques, and cartridge case/projectile macroscopic analysis. Prerequisite(s): FRSC 4253 and junior standing or above.

FRSC 4413 - Bloodstain Pattern Analysis

Bloodstain Pattern Analysis investigates the significance of bloodstain patterns found at violent crime scenes. Using bloodstain pattern analysis the student will learn to identify the occurrences that took place during and after a violent attack. Several practical exercises are used to assess the skill and knowledge of the student. Students will demonstrate and enhance their understanding of lecture material through participation in actual practical mock crime scene exercises. Prerequisite(s): FRSC 4043 or FRSC 3043 and junior standing or above.

FRSC 4443 - Forensic Arson Investigation

Forensic Arson Investigation is a comprehensive course on fire investigation emphasizing the use of specialized forensic techniques for the identification of causes of fires. Major topics included in this course are the chemistry of fire, how to diagram the fire scene, common types of building construction and the effects of construction on how structures burn. Proper collection of physical evidence, documentation, analysis and preservation as related to fire investigations will be emphasized. Prerequisite(s): FRSC 4043 or FRSC 3043 and junior standing or above.

FRSC 4464 - Digital Forensics & Lab

Digital Forensics & Lab is designed to provide the student with the fundamental concepts of the forensic analysis of digital evidence. Students will receive step-by-step explanations on how to use the most popular digital forensic tools. Topics include digital imaging, legal restrictions related to personal privacy and electronic communication, examination of FAT and NTRS based file systems, forensic methodologies, and the proper documentation of digital forensic examinations. Prerequisite(s): FRSC 2713 or permission of instructor and junior standing or above.

FRSC 4513 - Forensic Chemistry & Laboratory

Forensic Chemistry serves as a "hands-on" introduction to modern forensic chemistry. Topics and analytical techniques covered include sampling and statistics, sample preparation, instrumentation, and analyses related to drugs, arson, explosives, inks, paints, and polymer evidence. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4513L required.

FRSC 4513L - Forensic Chemistry Laboratory

This is the laboratory course that accompanies FRSC 4513. Prerequisite(s): FRSC 2503, CHEM 3454 and junior standing or above. Concurrent enrollment in FRSC 4513 required.

FRSC 4533 - Forensic Microscopy & Laboratory

Forensic Microbiology serves as a comprehensive microscopy course in modern forensic casework. Forensic methods and sample handling procedures developed specifically for microscopic samples will be discussed. An emphasis will be placed on microscopic analysis of forensic fiber and paint samples. Techniques covered include microscope alignment and focus, synthetic fiber and paint examination and developing and fine tuning sample handling skills with microscopic samples. Prerequisite(s): FRSC 2053 and BIO 1114 or BIO 1204 or BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533L required.

FRSC 4533L - Forensic Microscopy Laboratory

Forensic Microscopy Lab accompanies FRSC 4533. Prerequisite(s): FRSC 2503 and BIO 1114 or BIO 1204 or BIO 1214 and junior standing or above. Concurrent enrollment in FRSC 4533 required.

FRSC 4543 - Advanced Firearm and Toolmark

Advanced Firearm and Toolmark Techniques is an advanced course focused on chemical restorative examinations. Techniques covered include distance determination, caliber and weapon determination, serial number restoration, toolmark examination, cartridge case/projectile macroscopic analysis, and courtroom testimony. Emphasis is given to quality control and quality assurance as practiced in today's crime laboratories. Prerequisite(s): FRSC 4353 and junior standing or above. Concurrent enrollment in FRSC 4543L is required.

FRSC 4543L - Advanced Firearm & Toolmark Laboratory

Advanced Firearm and Toolmark Technique and Lab is the laboratory course that accompanies FRSC 4543 Advanced Firearm and Toolmark Techniques and Laboratory. Prerequisite(s): FRSC 4353 and junior standing or above. Concurrent enrollment in FRSC 4543 is required.

FRSC 4553 - WMD Forensics

Weapons of Mass Destruction (WMD) Forensics will cover chemical, biological, radiological, nuclear, and explosive (CBRNE) agents associated with domestic and international terrorism events. Students will be introduced to crime scene processing involving CBRNE events and the corresponding laboratory and field analyses. Prerequisite(s): FRSC 2503 or equivalent and junior standing or above.

FRSC 4613 - Advanced Forensic DNA Analysis

Advanced Forensic DNA Analysis focuses on the specific principles and modern procedures used in the analysis of forensic DNA evidence. Other topics include current research and development for forensic DNA instrumentation and applications, statistical interpretation of results, and case report writing. Students will research and present on historical forensic cases and current discussion topics in the field of DNA analysis. Prerequisite(s): FRSC 4333 and junior standing or above.

FRSC 4634 - Digital Forensic Tools & Analysis & Lab

Digital Forensics Tools and Analysis and Lab will expose students to advanced concepts in digital forensic analysis and provide an in-depth study of the current tools used in the examination of digital evidence. Topics include: advanced legal concepts, analyzing media with Forensic Toolkit, EnCase, and open source tools; Windows registry analysis, acquisition and analysis of volatile data, E-mail analysis, data hiding techniques, metadata, data carving and log analysis. Prerequisite(s): FRSC 4464 or permission of instructor and junior standing or above.

FRSC 4654 - Mobile Device Forensics & Lab

Mobile Device Forensics and Lab will present students with proper methodologies in the forensic examination of mobile digital devices. Students will use proper techniques for the collection and preservation of digital evidence on mobile devices and then will use current digital forensic tools to identify and recover data located on cell phones, tablets, and other hand-held digital devices. Prerequisite(s): FRSC 4464 or permission of instructor and junior or senior standing.

FRSC 4713 - Forensic Pharmacology

Forensic Pharmacology is an advanced course in modern toxicology related to therapeutic, illicit, and abused drugs. Topics covered include different types of cases encountered in forensic pharmacology; how the body reacts to and handles drugs and other exogenous substances when they are introduced into the body; understanding the effect of atypical enzyme isoforms on the course of drugs through the body and the implications for interpretation of analytical toxicology results; and the knowledge and understanding involved in formulating an opinion about drugs introduced into the body (doses, times, whether acute or

chronic) and whether the drugs caused any effect (therapeutic, toxic, lethal) on the body. Prerequisite(s): FRSC 4323 and junior or senior standing.

FRSC 4900 - Practicum in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4910 - Seminar in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4920 - Workshop in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

FRSC 4930 - Independent Study in FRSC

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4940 - Field Study in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4950 - Internship in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4960 - Institute in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

FRSC 4970 - Study Tour in Forensic Science

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

GEOGRAPHY (GEO)

Department of History & Geography

GEO 1103 - Introduction To Geography

This course introduces all major fields of geography. Included, are examinations of physical phenomena such as weather and climate, landforms and natural resources, as well as human phenomena such as population, culture, political organization, economic activities, and cities.

GEO 1204 - Physical Geography with Laboratory

Physical Geography with Laboratory is a survey of the distribution and analysis of the physical Earth, including surface processes and landforms, Earth-sun relationships, soil types, natural vegetation, weather, climate and the hydrologic cycle. Emphasis is placed on inter-relationships among these and human-environment interaction.

GEO 1403 - Human Geography

Human Geography is a survey of how societies adapted to and modified the earth's surface while creating cultural landscapes. Population patterns, languages, religions, political structures, and economic structures are emphasized.

GEO 2000 - Topics In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 2303 - Regional Geography Of The World

A study of the world's major regions. Each region's physical, cultural, and politico-economic characteristics are reviewed. Region-wide cooperation patterns are discussed and compared. Most major countries in the region are introduced with emphasis on related current issues.

GEO 2403 - Weather and Climate

This course is a study of weather and climate with emphasis on the impact of natural forces upon humans, animal life, and vegetation.

GEO 3000 - Workshop In Geography

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GEO 3013 - Geographic Skills

Geographic Skills is an exploration of geographic field methods, archival research, information analysis, and map interpretation skills. Prerequisite(s): GEO 1204 or 1403 or 2303 and sophomore standing or above.

GEO 3103 - Map Analysis And Cartography

This course is designed to increase students' proficiency in analyzing and creating maps. Students will be introduced to the fundamental principles of map reading and analysis, as well as those skills required to create maps effectively and to communicate myriad types of spatial information.

GEO 3123 - Geography of Europe

This course examines the human and physical geography of Europe including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3143 - Geography of Latin America

This course examines the human and physical geography of Latin America including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3153 - Geography Of Middle East & North Africa

This course examines the human and physical geography of the Middle East and North Africa including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3163 - Geography of Sub-Saharan Africa

Geo of Sub-Saharan Africa examines the human and physical geography of Sub-Saharan Africa including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3173 - Geography Of Australia & Major Pacific Islands

This course examines the human and physical geography of Australia and the major Pacific Islands including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3183 - Geography of South Asia

This course examines the human and physical geography of South Asia including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3203 - Geography of North America

This course examines the human and physical geography of North America including physical regions, economic activities, political trends, and environmental issues. Prerequisite(s): Sophomore standing or above.

GEO 3303 - Geography Of Russia & Central Asia

This course is a comprehensive study of the Russian federation and nations of Central Asia. Focus is on the key physical and human geographic phenomena including natural resources, manufacturing, industrial and post-industrial development, and present and probable geopolitical conflicts.

GEO 3323 - Introduction to American Indian Studies

Introduction to American Indian Studies is an interdisciplinary examination of the field of American Indian Studies. Specifically, the course will survey one or more of the following: art, geography, history, law, literature, music, philosophy, religion, and contemporary issues. Prerequisite(s): ENG 1113 and 1213.

GEO 3703 - Environmental Conservation

Environmental Conservation covers contemporary environmental issues and policies. Current problems in population growth, food production and distribution, energy shortages, sustaining biodiversity and natural resources, and global climate change will be stressed. Environmental quality and management issues will be discussed at global and national scales. A portion of this course will cover U.S. environmental history. Prerequisite(s): Sophomore standing or above.

GEO 3803 - Geography Of Oklahoma

A study of the physical and cultural geographical factors of Oklahoma. The emphasis is on the use of geographical environment in planning the future.

GEO 3990 - Advanced Topics In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 4013 - Economic Geography

This course is an in-depth exploration of the human and physical influences on patterns of contemporary economic activities from the local to global scales. Themes include the spatial dimensions of resource use, energy consumption, trade, agriculture, industry and post-industrial landscapes. Prerequisite(s): Sophomore standing or above.

GEO 4113 - Geographic Information Systems

Geographic Information Systems offers intensive instruction in the skills of geographic information system technology and the methods of collecting, storing, assessing, and manipulating geographic information from a multidisciplinary perspective. Prerequisite(s): Junior standing or above.

GEO 4133 - American Indian Geographies

American Indian Geographies examines North American Indian and Inuit peoples and their geographies. Culture areas provide the framework for the course within which physical and cultural settings are examined. Particular stress is given to human-environment interactions. Within this context, the course analyzes how environmental perceptions and knowledge inform decisions on settlement patterns, adaptations to particular biotic environments, cultural landscapes, and attachment to place. Prerequisite(s): ENG 1213 and junior standing or above.

GEO 4413 - Geography of Migration

Geography of Migration is an in-depth study of contemporary spatial patterns and processes of global migration. The course is divided into three parts. The first part will explore who is mobile and why people migrate. The second section will examine the migration industry and how state policy and institutional frameworks influence mobility. The third portion will study the cultural influence of migration on both the country of origin and the host country. In this section we will debate how migration changes culture, identity and place by studying concepts such as sense of place, integration, acculturation and transnationalism.

GEO 4513 - Historical Geography Of North America

This course will provide an historical interpretation of the growth and development of the United States and Canada including the human activities that shaped landscapes and resulting environmental changes. Prerequisite(s): Junior or senior standing.

GEO 4603 - Urban Geography

A study of contemporary city systems and their transformation. Topics include the historical perspective of urban development and major cit-

ies in the world. It surveys in depth the changing roles of the world's major urban centers.

GEO 4613 - World Geopolitical Hot Spots

This course is a comprehensive study of selected geopolitical hot spots; including discussion of topical and geographic issues of current importance. Analysis of each topic entails its regional setting, historical development patterns, and its current status. Prerequisite(s): Junior standing.

GEO 4733 - Advanced GIS: Socio-Urban

Advanced GIS: Socio-Urban offers advanced geographic information system theory and techniques applied to urban and socio-economic issues including urban and regional planning, urban ecology, crime analysis, and demographic analysis. Emphasis is placed on geocoding, geodatabase design, project development and project implementation. Students engage in advanced mapping and data analysis using Spatial Analyst and geographic visualization using 3D Analyst and ArcScene. Prerequisite(s): GEO 4113 and junior standing or above.

GEO 4743 - Advanced GIS: Environmental

Advanced GIS: Environmental covers advanced geographic information systems theory and techniques for environmental/ecology applications including water quality, soil degradation, land use/land cover change, terrain modeling, and ecosystem inventory and native land management. Students will use both raster and vector data structures and spatial analyst and 3D analyst. Students will be trained in advanced global positioning system (GPS) technology. Field data collection, data editing, GPS/GIS integration will be emphasized. Students will gain field experience for GPS collection techniques. Prerequisite(s): GEO 4113 and (GEO 1204 or 3703 or permission of instructor). Junior standing or above.

GEO 4813 - Geographic Current Affairs

This course is a forum to analyze and discuss selected current affairs topics from geographic points of view. The topics are major contemporary issues critical in comprehending today's social, economic, and political landscape. They represent various aspects of the current affairs ranging from environmental concerns to rising nationalism. Particular attention is given to a geographic analysis of the problem development and its implication to the global security and welfare.

GEO 4893 - Geographic Thought & Research

This course is the capstone course for the Geography major. It explores the progression of geographic thought from Ancient Greece to the present. Prerequisite(s): GEO 3013 and junior or senior standing.

GEO 4900 - Practicum In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 4910 - Seminar In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 4920 - Workshop In Geography

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GEO 4930 - Individual Study In Geography

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GEO 4940 - Field Study In Geography

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GEO 4950 - Internship In Geography

Credit will vary from 1 to 8 hours.

GEO 4960 - Institute In Geography

Credit will vary from 1 to 8 hours. Subject matter varies within the department's field of study.

GEO 4970 - Study Tour In Geography

Credit will vary. Subject matter will vary within the department's field of study.

GERMAN (GERM)**Department of Modern Languages,
Literature & Cultural Studies****GERM 1003 - Elementary German Conversation I**

A general introduction to German conversation for individuals with no previous formal study of German. This course does not apply toward the major or minor.

GERM 1013 - Elementary German Conversation II

This course is the sequel to Elementary German Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. This course does not apply toward the major or minor. Prerequisite(s): GERM 1003.

GERM 1114 - Elementary German I

This course is an introduction to German pronunciation, conversation, grammar, reading and composition. Credit may not be earned for both GERM 1114 and GERM 1243.

GERM 1224 - Elementary German II

This course is a sequel for Elementary German I. Credit may not be earned for both GERM 1224 and GERM 1263. Prerequisite(s): GERM 1114 or one year high school German.

GERM 1243 - Basic German Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose foreign language objective is the acquisition of a reading knowledge of German. May not be used to satisfy requirements for a German major or minor. Credit may not be earned for both GERM 1243, GERM 1114.

GERM 1263 - Basic German Reading Skills II

Continuation of GERM 1243. May not be used to satisfy requirements for a German major or minor. Credit may not be earned for both GERM 1263 and GERM 1224. Prerequisite(s): GERM 1243.

GERM 2000 - Topics In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERM 2113 - Intermediate German I

This course presents a review of German grammar and application of grammatical principles through extensive composition. Prerequisite(s): GERM 1114 and 1224.

GERM 2223 - Intermediate German II

This course focuses on reading and discussion in German designed to expand vocabulary, facilitate oral expression and increase comprehension. Prerequisite(s): GERM 1114, 1224 and 2113.

GERM 3000 - Workshop In German

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GERM 3103 - Early German Culture And Civilization

A study of various aspects of German culture and civilization from the origins to the Renaissance. Prerequisite(s): 14 hours of German.

GERM 3113 - Modern German Culture And Civilization

A study of various aspects of German culture and civilization from the Renaissance to the present. Prerequisite(s): 14 hours of German.

GERM 3213 - German Phonetics

A scientific investigation of the German sound system including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 2 years of German including GERM 2113, 2223.

GERM 3223 - Introduction To German Literature Analysis

A comprehensive introduction to methods of literary analysis including a broad spectrum of terminology, authors, genres, periods, and movements. The student will acquire skills in approaching texts from a critical perspective. Prerequisite(s): 14 hours of German including 2113, 2223.

GERM 3313 - German Translation

This course introduces the strategies for translating short authentic texts from German to English and from English to German. Students will increase their knowledge of complex German grammatical constructions, improve their German vocabulary and gain fluency in expressing themselves in German. Prerequisite(s): GERM 2113, 2223.

GERM 3812 - German Conversation And Total Immersion

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in German. Students will improve their German vocabulary, will gain greater fluency in German and will increase their confidence in the use of German. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of German culture. Prerequisite(s): GERM 2113, 2223.

GERM 3990 - Advanced Topics In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 14 hours German.

GERM 4113 - Advanced German Grammar

Intensive analysis of the structure and rules of German grammar with an emphasis on topics which pose particular complexities. Prerequisite(s): 17 hours of German.

GERM 4123 - Survey German Literature To 1800

Prerequisite(s): 17 hours of German.

GERM 4133 - Survey German Literature 1800 - Present

Prerequisite(s): 17 hours of German.

GERM 4163 - Early German Drama

This course presents the major literary developments in German drama by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of German.

GERM 4173 - Modern German Drama

This course presents the major literary developments in German drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): 17 hours of German.

GERM 4183 - Early German Novel

This course presents the major literary developments in German novel by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of German.

GERM 4193 - Modern German Novel

This course presents the major literary developments in German novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): 17 hours of German.

GERM 4313 - Joh W Von Goethe

Goethe (1749-1832) shaped the German language and the German cultural landscape like no other author. Students will read several of Goethe's works and analyze them in the context of seminary discussions, exams and a paper. An essential component of this course is the interrogation of the concept "authorship" in light of the many different Goethean artifacts that are not merely "literary". Prerequisite(s): Seventeen hours of German.

GERM 4900 - Practicum In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GERM 4910 - Seminar In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): 17 hours of German.

GERM 4920 - Workshop In German

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GERM 4930 - Individual Study In German

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission required.

GERM 4940 - Field Study In German

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GERM 4950 - Internship In German

Credit will vary from 1 to 8 hours.

GERM 4960 - Institute In German

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GERM 4970 - Study Tour In German

Credit will vary. Subject matter will vary within the department's field of study.

GREEK (GRK)**Department of Modern Languages, Literature & Cultural Studies****GRK 1113 - Biblical Greek I**

This course is an introduction to the pronunciation, grammar, reading, and composition of Biblical Greek.

GRK 1223 - Biblical Greek II

This course is a sequel to Biblical Greek I. Prerequisite(s): GRK 1113 with a minimum grade of "C".

GRK 2000 - Topics in Greek

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GRK 2113 - Greek New Testament Readings

This course is devoted to reading selections from the Greek New Testament. Prerequisite(s): GRK 1113 and 1223 with a minimum grade of "C".

GRK 3000 - Workshop in Greek

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lectures, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GRK 4900 - Practicum in Greek

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GRK 4910 - Seminar in Greek

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GRK 4920 - Workshop in Greek

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

GRK 4930 - Individual Study in Greek

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

GRK 4940 - Field Study in Greek

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

GRK 4950 - Internship in Greek

Credit will vary from 1 to 8 hours.

GRK 4960 - Institute in Greek

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

GRK 4970 - Study Tour in Greek

Credit will vary. Subject matter will vary within the department's field of study.

HISTORY (HIST)**Department of History & Geography****HIST 1003 - World History**

A survey of major features of the principal civilizations of the world, as they were originally formed and as they have been altered during the past four centuries by the forces of modernity. Defines the major traditional features of each civilization. Emphasizes a world view, not only western but eastern as well. Describes different philosophies and experiences of other cultures and examines how these civilizations intermesh to produce the world that exists today.

HIST 1013 - World History I

World History I introduces students to political, social, and cultural connections and developments in non-Western civilizations from antiquity to the age of discovery.

HIST 1023 - World History II

World History II introduces students to political, social, and cultural developments in non-Western civilizations and cultures from the age of discovery to the late twentieth century.

HIST 1103 - Early Western Civilization To 1350

A survey of western civilization to about 1350, covering the early history of man, the civilizations of the ancient Near-East, Greece, Rome, and the Middle Ages.

HIST 1203 - Europe-Renaissance To Waterloo

A survey of Europe from about 1450 to the defeat of Napoleon in 1815.

HIST 1263 - Modern Europe

A survey of Europe during the 19th and 20th centuries, beginning with the Congress of Vienna in 1815.

HIST 1273 - East Asian Civilization To 1500

This course surveys the major features of the civilizations of East Asia, including China, Japan, Korea, and Vietnam, from their formation until the sixteenth century. This course will focus on the rise of Chinese

and Japanese religions, such as Confucianism, Taoism, Buddhism, and Shinto; the formation and development of empires; the cultural exchanges among East Asian countries and between East Asia and other parts of the world; and the position of East Asian civilization in the ancient, classic, and medieval world.

HIST 1283 - East Asian Civilization From 1500

This course surveys the principal civilizations of East Asia, as they were confronted by the West in the sixteenth through nineteenth centuries, and as they failed or succeeded in adapting to the modern international systems in the twentieth century. This course will cover the revolutionary changes in China, Japan, Korea, and Vietnam, and the persistence and flexibility of their traditional cultures and values.

HIST 1333 - A History of African Americans

This course develops an overview of the African American experience from the pre-colonial African period, into earliest contact with the Americas, down to the dawning of the 21st century. The student will learn to recognize, assess, and analyze the value of this rich heritage within the context of U.S. history. Prerequisite(s): Freshman or sophomore standing.

HIST 1483 - History Of U.S. To 1877

This course is a survey of American history from the discovery of the New World through the Civil War.

HIST 1493 - History Of U.S. Since 1877

This course is a survey of American history from the conclusion of the Civil War to the present.

HIST 2000 - Topics In History

Credit will vary from 1 to 4 hours. Consists of selected topics of an historical nature, each taught by a member of the history staff who has expertise in that particular area. The topic chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

HIST 2033 - The American Indian

A study of the history and culture of North American Indians from the pre-Columbian period to the federal Indian policies of the 20th century.

HIST 2313 - Intro to Gender Studies

Introduction to Gender and Sexuality Studies examines the ways in which gender and sexuality shape every aspect of our lives. This course explores the influence of social expectations about women and men—which intersect with issues of race, class, sexuality, and nationality—on our legal, medical, educational, and political systems.

HIST 3000 - Workshop In History

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HIST 3113 - Historical Research

This course is designed to acquaint the student with the historical profession, the basic reference tools, and the critical use of source materials. Particular attention is given to the development of style and technique in historical writing and research. Recommended for all history majors. Prerequisite(s): ENG 1113 and 1213.

HIST 3123 - Race Class Gender In U.S. History

This course is designed to cut across academic disciplines and serve students from across the University. Enrollees in this course will first reflect upon 20th and 21st century developments in Race, Class, and Gender issues in America and then place them in the context of American history, dating from pre-Columbian, Meso-America to the Modern Era. Students will engage in library and field research projects designed to help formulate a fuller comprehension of this historical context of contemporary race, class, and gender dynamics. Prerequisite(s): HIST

1483 or 1493 and ENG 1113 and 1213 (or, for international students, ENG 1153 and 1223). At least junior standing.

HIST 3133 - US History to 1815, History Education Major

Students will learn the historical narrative from the arrival of Columbus, to British colonial settlement, to the rise of the movement for American independence in the mid-eighteenth century. From the Revolutionary War to the War of 1812, students will focus on state formation with an eye to understanding the drafting of the Articles of Confederation, U.S. Constitution, and Bill of Rights. Prerequisite(s): HIST 1483 with a grade of "C" or better and sophomore standing or above.

HIST 3143 - US History 1815-1914, History Education Major

Students will learn the historical narrative beginning with the National Era and ending with the Progressive Era on the eve of the Great War. Topics covered include the Jacksonian Era, Manifest Destiny, abolitionism, the suffrage movement, Populism, unionism, Progressivism, and American imperialism. Students will study the connection between the Constitutional agreements of the eighteenth century, sectionalism resulting in the American Civil War and Reconstruction, and the consequences of this political and social fissure in United States history. Prerequisite(s): HIST 1483 with a grade of "C" or better and sophomore standing or above.

HIST 3213 - World War II

Emphasis is placed on the diplomatic background, the major battles in both the European and Pacific theaters, the home fronts, and the defeat of Germany and Japan.

HIST 3223 - Recent U.S. Constitutional History

Basing the central theme on the constitution as it is understood today, discussion will attempt to show the growth of modern constitutionalism, especially since the Civil War and the Revolution in due process. Highlights include the 14th Amendment and the Bill of Rights.

HIST 3233 - U.S. Women's History

This course explore some of the most significant events in U.S. women's history from the pre-colonial period to the present. Prerequisite(s): Sophomore standing or above.

HIST 3253 - History Of The American City

A study of urban development in the United States with emphasis on the impact of the city on American life and institutions from the colonial period to the present.

HIST 3303 - Oklahoma History

A study of the development of the state of Oklahoma from its earliest exploration to the present.

HIST 3313 - England To 1689

Medieval life and institutions: the development of jury trial and English common law; growth of the power of the barons; the development of parliament from its origin to the Glorious Revolution of 1689.

HIST 3323 - England Since 1689

Commercial and industrial development; naval supremacy and colonial empire; rise of the cabinet system and political democracy.

HIST 3343 - Introduction To Archaeology

Reviews the history of archaeology, examines the work methods of the archaeologist, and in general demonstrates how the discipline has contributed to our knowledge of the life and culture of prehistoric and classical age man. Field trips and guest appearances by professionals in the field give students direct contact with the work of the archaeologist.

HIST 3383 - The Middle Ages

A study of Europe from the fall of Rome to the Renaissance.

HIST 3423 - Women's History: European

Women's History: European investigates the historical and cultural roles of women from early modern Europe to the mid twentieth century. As we analyze both representative individuals and general trends, topics will include theories of women's history, changing roles, rights, and responsibilities culturally ascribed to women, and the ways in which women have navigated social constraints in politics, business and industry, and the church. Prerequisite(s): HIST 1103 or 1203 or 1263 and sophomore standing or above.

HIST 3431 - Economist Contemporary Affairs

Economist Contemporary Affairs describes and explains contemporary global events and developments. This course may be taken four (4) times for credit.

HIST 3483 - Absolutism & Enlightenment In Europe

Development of the leading countries of Europe from 1648 to 1789; system of the old regime and absolute monarchy; features of the Enlightenment.

HIST 3583 - Europe 1815-1871

From the Congress of Vienna to the end of the Franco-Prussian War, including intellectual movements, the revolutionary disturbances and the unification of Italy and Germany.

HIST 3613 - Tudor-Stuart England

The rise of the "new" monarchy; constitutional development and crises in the 16th and 17th centuries; the English Reformation; the Elizabethan settlement; and the policies and wars of the later Stuarts.

HIST 3703 - Modern World Leaders

Modern world leaders emphasizes a biographical approach to the significant political, military, scientific, social, economic, and cultural leaders of the 20th century.

HIST 3990 - Advanced Topics In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 4103 - Europe, 1919 to 1945

This course describes the history of Europe from the Treaty of Versailles through the end of World War II. In this class emphasis is placed upon the totalitarian regimes of Italy, Germany, and Russia.

HIST 4133 - Europe Since 1945

The critical events of European history since the end of the Second World War are surveyed.

HIST 4153 - History of Latin America

This course examines selected problems in Latin American history from the fifteenth century to the present. Prerequisite(s): Junior or senior standing.

HIST 4163 - US History 1914-Present, History Education Major

The subject matter will include the presidencies of the era, America's rise as a super power, engagement in world wars, the complications of the Cold War, the response to international terrorism, the struggle for civil rights, the women's movement, anti-Vietnam War protests, and various political and social issues. Prerequisite(s): HIST 1483 with a grade of "C" or better and sophomore standing or above.

HIST 4203 - American Diplomatic History To 1900

A history of American foreign policy from independence through the Spanish-American War. Key themes of the course are American expansion and America's rise to power.

HIST 4213 - American Diplomatic History—20th Century

A history of American foreign policy from the end of the Spanish-American War to the present. Key topics of the course include: U.S.

intervention in Latin America, World War I, World War II, the Cold War, Korea, and Vietnam.

HIST 4303 - Indians Of The Southwest

A study of the social, cultural and intellectual history of the Indians of the American Southwest from prehistoric times to the present.

HIST 4313 - U.S. Military History To 1917

This course provides an overview of the military's role in American development from English colonization through the emergence of the United States as a world power. More than just a survey of battles and leaders, this course will examine the interrelationship between the armed forces and society in both peace and war, as well as the impact of intellectual and technological change.

HIST 4323 - U.S. Military History Since 1900

An overview of the military's role in American development from the aftermath of the Spanish American war through the present. More than just a survey of battles and leaders, this course will examine the interrelationship between the armed forces and society in both peace and war, as well as the impact of intellectual and technological change.

HIST 4333 - Russian History To 1917

Students in Russian History to 1917 study Russian history from 882 to the Bolshevik Revolution of 1917, paying particular attention to ancient Kiev, medieval Muscovy, westernization in the 18th century, and the emergency of revolutionary movements in the 19th century. Prerequisite(s): HIST 1103 or 1203 or 1263.

HIST 4343 - Russian History Since 1917

Students in Russian History since 1917 study Russian history from 1917 to the present, paying particular attention to the Bolshevik Revolution, the NEP era, Stalin's "revolution from above," the Gorbachev era, and post-soviet problems of transition to western political and economic models. Prerequisite(s): HIST 1103 or 1203 or 1263.

HIST 4353 - Women's History: International

This course focuses on continuities and changes in the social organization of gender differences particularly as this framework applies to women who lived during the nineteenth and twentieth centuries in five geo-political regions: Southwest Asia, Asia, South Asia, Africa, and Latin American. Prerequisite(s): Junior or senior standing.

HIST 4413 - American Indian Women

This course examines the varied historical experiences of American Indian women. This course provides a chronological framework through which to examine more than four centuries of encounter, resistance, accommodation and change. Themes include: origins and cultural development; the impact of European contact; assimilation, acculturation, adaptation; U.S. federal Indian policies; boarding school experiences; American Indian arts and crafts; the Southwest tourism industry; Native women's resistance and activism. Prerequisite(s): HIST 1483 or 1493 and junior or senior standing.

HIST 4423 - Women in the American West

This course examines women in the American West from the early 1800s to the 1980s. Through the study of individual women's lives and texts as well as historians' interpretations of women's experiences, this course traces regional identity, mobility and cultural representations in an effort to understand how women shaped the American West. Prerequisite(s): HIST 1483 or 1493 and junior or senior standing.

HIST 4433 - American Colonial Period, 1492-1763

This course covers American history from the European discovery to the Treaty of Paris in 1763. Prerequisite(s): HIST 1483 or 1493.

HIST 4443 - History Of Cold War In Asia

A study of the international relations in East and Southeast Asia from the end of World War II to the early 1900's, a period that seemed to suspend the normal functioning of state relations in the region. Inter-

pret U.S.-Soviet rivalry, U.S.-Japan policy, China's roles, and other important events such as wars in Korea and Vietnam, and crises in the Taiwan Straits and Indochina.

HIST 4463 - U.S.-East Asian Relations-20th Century

Historical interpretations of the major events and interactions in East Asia between America and Japan, China, Korea, and Vietnam through World War I, the Pacific war, Korean war, and Vietnam war. Focus on American's definitions of its East Asia policy objectives, the problems it encountered, and the responses of East Asian nations.

HIST 4513 - History Of Mexico

The history of Mexico from the Aztec civilization until modern times. Emphasis is placed on the Aztecs, the conquest by Cortez, society under Spanish independence, the Mexican Revolution, and post revolutionary Mexico.

HIST 4533 - American Revolution & Early Nationalism, 1763-1815

This course covers American history from the end of the French and Indian War in 1763 until 1815. Prerequisite(s): HIST 1483 or 1493. This course and HIST 4553 replace HIST 4523.

HIST 4543 - Black Experience In American West

An examination of the black experience in the Trans-Mississippi from the sixteenth century to the late 20th century. Special attention is devoted to the contributions of black people to the development of American culture as cowboys, farmers, laborers, soldiers.

HIST 4553 - Jacksonian America, 1815-1848

This course covers American history from 1815 until 1848, with emphasis on Jacksonian democracy, sectionalism, and Manifest Destiny. Prerequisite(s): HIST 1483 or 1493. This course and HIST 4533 replace HIST 4523.

HIST 4563 - Civil War And Reconstruction

The history of the United States from the beginning of the Civil War in 1860 to the end of Reconstruction in 1877.

HIST 4603 - Gilded Age/Progressive Era, 1876-1919

This course is a detailed study of American history from the Hayes-Tilden election to the end of World War I. Prerequisite(s): HIST 1483 or 1493.

HIST 4613 - Museum Management

This course provides a comprehensive introduction to museum organization, law, and ethics; contemporary museum issues; collections management procedures and policies; collections preservation.

HIST 4623 - Museum Theory And Practice

This course focuses on the interpretation of material culture, including research and exhibit planning and evaluation; contemporary issues in museum interpretation; museum education and the public dimension of museums.

HIST 4633 - History Of U.S. 1919-1945

This course is a detailed study of American history from the end of World War I to the end of World War II. Prerequisite(s): HIST 1483 or 1493.

HIST 4643 - Anthropology: Societies/Global Perspective

This course offers a global perspective for the anthropological and historical study of social and cultural organization, social change, and the development of the modern world system.

HIST 4663 - French Revolution And Napoleon

The origin of the French Revolution, the turbulent revolutionary years between 1789 and 1795, the rise of Napoleon, and Europe during the Napoleonic Era.

HIST 4673 - The Old West

The American frontier from the founding of the North American colonies to the Louisiana Purchase, with emphasis on the social and political problems of the early westward movement.

HIST 4713 - Modern Middle East

Peoples and geography; rise and features of Islam; classic Islamic civilizations; Arab and Turkish empires; Palestinian question; Nasserism, 20th century states.

HIST 4723 - The Trans-Mississippi West

The American frontier from the Louisiana Purchase to the beginning of the twentieth century with emphasis on the economic, political and social adjustments and society in an arid region.

HIST 4743 - Modern China And Japan

History of these major Asian powers since 1600 with emphasis on their cultures, the impact of the West, the industrialization of Japan and the revolutionary process in China.

HIST 4753 - African American Experience To 1900

In this course students will study in some detail the African and Latin American/Caribbean roots of the African American heritage, then proceed to analyze the first 280 years of the African-American experience in English North America. Considerable time will then be devoted to examining the historical record of this experience through slavery, emancipation/abolition and the early years of freedom to the nadir of the pre-Progressive Era struggles for equality.

HIST 4763 - African American Experience since 1900

In this course students will study in some detail the African American Experience from the nadir of the dreams of liberation, as the Victorian Era came to an end and the so-called Progressive Era began, down to current liberationist struggles and debates. Considerable time will then be devoted to examining the historical record of this experience through the lynching and Ku Klux Klan craze of the Jim Crow, Progressive Era, through the African-American sacrifices made during World War I, the Great Depression, World War II, the Civil Rights and Black Power movements, into the continuing debates about the meaning of Black Liberation and how to achieve it.

HIST 4773 - Modern German History

The unification struggle arising out of the French Revolution, the development of the German state and society, the Weimar Republic, and the Nazi dictatorship.

HIST 4783 - History of Ancient Greece

History of Ancient Greece is a study of ancient Greek civilization, with emphasis on Greek culture and intellectual achievements as part of the foundation of western culture. Prerequisite(s): ENG 1213.

HIST 4793 - History of Ancient Rome

History of Ancient Rome is a study of ancient Roman civilization, with emphasis on the Romans' cultural and intellectual achievements as part of the foundations of western culture. Prerequisite(s): ENG 1213.

HIST 4803 - Social Studies Methods

Social Studies Methods is designed to prepare pre-service social studies teachers for entry into the secondary education classroom. Students analyze and integrate education-based theories with the complex academic discipline of social studies. Synthesis of theory and practice comes together in preparation of lesson, unit, and yearly plans of instruction, which are demonstrated and assessed in micro-teaching presentations. Prerequisite(s): HIST 3113 with a minimum grade of "C", junior or senior standing, and Admission to Teacher Education.

HIST 4823 - Sociological/Cultural History Of U.S. To 1865

A study of the social, cultural and intellectual life of the United States from colonial times to the Civil War.

HIST 4833 - Sociological/Cultural History Of U.S. Since 1865

A study of the social and cultural history of the United States from the Civil War to the present.

HIST 4843 - Major Interpretations Of American History

A study of new and old interpretations of major events in American history from the colonial period to the present. Especially designed for students working toward teacher education certification in American history.

HIST 4853 - African American Experience

This course will broaden and deepen the student's knowledge about the African American experience from its roots in Africa to current issues, developments, and perspectives. Through research, discussions, analyses, and appropriate examinations our students will be given multiple opportunities to become well prepared to be critical thinkers and problem solvers, thereby positive contributing members of a multicultural, uplifting society.

HIST 4863 - History Of Modern Southeast Asia

Traditional cultures and religions; impact of western colonialisms; nationalist movements and formation of nations; development of representative governments; and contemporary roles in international relations.

HIST 4873 - History Of U.S., 1945 To Present

This course is an advanced study of the political, economic, social and cultural evolution of the United States from the end of World War II to the present. Special emphasis is given to the expanded role of the United States in world affairs. Prerequisite(s): HIST 1483 or 1493.

HIST 4883 - The Reformation, 1500-1648

A detailed study of the religious upheaval of the sixteenth century, including its background and causes, an examination of the spread of Protestantism in northern Europe, the religious wars in France, the Catholic Reformation, and the Thirty Year War.

HIST 4893 - Europe, 1871-1919

Grandeur and features of late nineteenth century Europe; development of capitalism and growth of the working-class movement; origins and course of World War I; the Versailles peace settlements.

HIST 4900 - Practicum In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 4910 - Seminar In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 4920 - Workshop In History

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HIST 4930 - Individual Study In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 4940 - Field Study in History

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

HIST 4950 - Internship In History

Credit will vary from 1 to 8 hours.

HIST 4960 - Institute In History

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HIST 4970 - Study Tour In History

Credit will vary. Subject matter will vary within the department's field of study.

HIST 4993 - History Capstone Seminar

The History Capstone Seminar focuses on advanced skills in historical research, critical thinking, and writing through proposed research questions, a project prospectus, an annotated bibliography, and a research paper based on primary and secondary sources. Subject matter will vary across departmental fields of study. Prerequisite(s): HIST 3113 with a minimum grade of "C". Enrollment open to History majors with junior or senior standing.

HEALTH (HLTH)**Department of Kinesiology and Health Studies****HLTH 1112 - Healthy Life Skills**

This course will provide comprehensive investigation into the current methods of health promotion and disease prevention. Knowledge and practical application in the areas of fitness, nutrition, substance abuse prevention, and other positive life skills will be emphasized.

HLTH 2000 - Topics In Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 2112 - Introduction fo PK-12 Health

This course is designed to give the prospective teacher of PK-12 health education an insight into this area of specialization. Included are the historical, philosophical, psychological and sociological principles of PK-12 health education with a survey of current research, literature, curriculum, coordinated health, and assessment models. Prerequisite(s): HLTH 1112.

HLTH 2203 - Introduction To Community/Public Health

The course provides a basic introduction to the field of community/public health including trends and statistics. Students gain knowledge about complex community/public health issues and the various agencies involved in addressing these issues. Students are also introduced to the field of health education. Prerequisite(s): HLTH 1112. Concurrent enrollment in HLTH 4900, a one-hour practicum, is required and must be approved by advisor. Enrollment open to Community/Public Health major and minor students only.

HLTH 2212 - First Aid With CPR

This course provides knowledge and practical experience in the emergency care of injuries and sudden illness, including cardiopulmonary resuscitation. The course includes content of American Red Cross standards and advanced first aid training and provides ARC certificates when satisfactorily completed. This course replaces HLTH 2213.

HLTH 3000 - Workshop In Health

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HLTH 3103 - Teaching PK-12 Health Concepts

This course is designed to address health content and concepts relevant to the physical, social, and emotional needs of children and adolescents. The focus of this course is on implementing age-appropriate curricula and skill-building strategies that foster healthy behaviors within the framework of a coordinated school health program. Prerequisite(s): HLTH 1112 and HLTH 2112. Junior or senior standing. Enrollment open to Physical Education/Health majors only.

HLTH 3163 - Environmental Health

This course examines an overall view of factors in the environment that adversely impact human health. Examination is based on interven-

tion, inspection, and education. This course is designed to explore the ways in which mankind may control the environment in order to minimize deleterious effects on the level of health and quality of life. Prerequisite(s): HLTH 1112 and junior standing or above.

HLTH 3203 - Introduction to Epidemiology

This course introduces students to the concept of epidemiology. Emphasis is placed on the principles and methods of epidemiologic investigation including an introduction to the use of statistics to describe infectious and chronic diseases within populations. Topics include disease prevention and control measures as well as study designs for investigating disease outcomes. Prerequisite(s): HLTH 2203. Junior and senior standing.

HLTH 3223 - Applied Anatomy

This course will provide a study of osteology, skeletal structure, myology, including the origins and insertions of muscles, and the organic processes which affect and/or are affected by movement. This course replaces HLTH 3222.

HLTH 3263 - Consumer Health & Media Advocacy

This course will include an identification and analysis of current consumer health factors affecting society. Emphasis will be on criteria for selecting sources, products and services that affect the well-being of the individual and society. Furthermore, this course will focus on developing health advocacy campaigns by using the media. Students will learn how best to advocate health messages through a variety of media sources and will develop strategies for risk communication. Prerequisite(s): HLTH 1112 with junior standing or above.

HLTH 3313 - Contemporary Issues in Drug Prevention

Contemporary Issues in Drug Prevention examines the chronic use and misuse of legal and illegal substances, including the physiological and psychological effects and consequences of substance abuse. The emphasis will be on the theoretical concepts and strategies for implementing substance prevention education as well as the development of health curriculums and materials for the community. Prerequisite(s): HLTH 1112 with junior standing or above.

HLTH 3323 - Program Planning

This course introduces students to health program planning and design in health education as well as the grant writing process involved in planning health education programs. Concepts and theories of program planning will be introduced as will the interpretation of a needs assessment, creation of goals and objectives, budgets and strategies for program planning. Prerequisite(s): HLTH 1112, HLTH 2203, HLTH 3263 and junior standing or above.

HLTH 3403 - Leadership & Ethics in Health Education

Leadership and Ethics in Health Education is designed to explore the attributes of leadership, ethics, and values that are needed to be an effective leader in the field of health and health education. This course provides students the opportunity to identify personal leadership characteristics and values through various assessment tools as well as identify characteristics of ethical problems in health and the decision-making process. Students will create a professional resume, and develop their own Individual Development Plan based on their leadership styles and values as they prepare to be leaders in the health field. Prerequisite(s): HLTH 1112 and junior standing or above.

HLTH 3413 - Nutrition for Sports & Fitness

The course will examine sound nutritional knowledge and practices based on current scientific literature essential to optimal health in various levels of activity that are sport and age specific. Credit may not be earned for both HLTH 3413 and NTRN 1513. Prerequisite(s): Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

HLTH 3453 - Group Dynamics

This course focuses on the role and responsibility of the professional in the field with emphasis on the communication behavior of individuals within group structures. Didactic and experiential techniques are used to explore the stages of group development and life, decision-making techniques, norms, structures, leadership, authority, membership and the intra-and inter-personal dynamics within small groups. Oral and written communication skills are addressed as is the process of building community coalitions.

HLTH 3493 - Treatment Of Athletic Injury

The purpose of this course is to provide information to students in the care and prevention of athletic injuries. This class addresses how athletic and fitness injuries occur, are treated, and how they can be prevented.

HLTH 3513 - Health Admin and Policy

This course is designed to examine the components of health care in the United States. This course will provide an understanding of health care financing and its impact on access to health care and the delivery of health care to different populations. Health policy and governmental influences impacting healthcare organizations will also be discussed. Prerequisite(s): HLTH 1112 and junior or senior standing.

HLTH 3990 - Advanced Topics In Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 4103 - Human Development

The course will examine human growth and development across the life span with emphasis upon normal growth and milestones achieved in the physical, cognitive, social, and emotional systems.

HLTH 4203 - Health Assessment & Evaluation

This course is designed to assess community population needs and then evaluate community programs in response to those needs. This course focuses on community needs assessments, surveillance and program evaluation as utilized in the community and public health fields. Emphasis will be placed on the student's preparation for Certification Health Education Specialist (CHES) credentials. Prerequisite(s): BIO 2102 and HLTH 2203 with junior standing or above.

HLTH 4223 - Health Equity & Determinants

Health Equity and Determinants of Health is designed to examine the impact of social, economic and environmental determinants of health on populations. Health inequities found among marginalized groups due to socioeconomic status, race/ethnicity, sexual orientation, gender, disability status, geographic location, or some combination of these factors will be highlighted. This course will explore health outcomes found among these populations and will address the health promotion policies required to attend to these issues. Prerequisite(s): HLTH 2203 and senior standing or above.

HLTH 4313 - Healthy Aspects of Sexuality

This course is designed to address advanced principles of human sexuality. A biological, psychological and sociological perspective is encompassed. The emphasis of the course is on problematical concepts and methods for facilitating human sexuality education in the public/community health setting within a comprehensive health education framework. Prerequisite(s): HLTH 1112 and junior or senior standing.

HLTH 4433 - Community Intervention

This course will provide the pedagogical knowledge derived from health education theory as a way of implementing community health programs based on refined principles researched and established as valid and reliable for health promotion settings. This course will introduce and initiate knowledge and application skills that are pertinent for autonomy when directing a health promotion program and will include

research and theory on cultural sensitivity and community work with the use of gatekeepers. This course is designed to orchestrate competence within health educators to effectively meet the demands of individuals, communities and society's health needs. Competency is geared toward matriculating Certified Health Education Specialists (CHES). Prerequisite(s): HLTH 2203, HLTH 3323 and HLTH 4203 with senior standing or above.

HLTH 4523 - Health and Aging

This course provides a multidisciplinary approach to aging well and the promotion of healthy living in late life. The focus will be on identifying lifestyle factors that impact late life health and strategies to promote well-being in elderhood. Discussions of aging-related changes in all dimensions of wellness will include classification as primary, secondary, or tertiary aging. Prerequisite(s): HLTH 1112 with junior standing or above.

HLTH 4900 - Practicum In Health

Supervised in-service training appropriate to the individual's selected area of concentration with planning and supervision done jointly by the college staff and agency representative. Prerequisite(s): Concurrent enrollment in HLTH 2203 is required.

HLTH 4910 - Seminar In Public Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 4920 - Workshop In Health

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HLTH 4930 - Individual Study In Health

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HLTH 4950 - Internship: Community/Public Health

Credit will vary from 1 to 4 hours. The Community/Public Health Internship is an in-depth/long-term field experience which provides the learners an opportunity to further acquire and develop knowledge and skills in the field of Community/Public Health; this capstone learning experience allows student to apply the principles and concepts gained from course work in a field setting. Prerequisite(s): HLTH 1112, 2203, 3203, 4203, 4433, 4900 plus 4 hours of 3000/4000 level health courses and written permission of instructor.

HLTH 4960 - Institute In Health

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HLTH 4970 - Study Tour In Health

Credit will vary. Subject matter will vary within the department's field of study.

HUMANITIES (HUM)

Department of Humanities & Philosophy

HUM 1012 - Fundamentals Of Humanities

An introduction to the formal study of humanities as a discipline. Basic skills will be developed for understanding art, literature, and ideas as contributing parts of a greater whole rather than as separate entities. Particular emphasis will be placed on the humanities of the present.

HUM 2000 - Topics In Humanities

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 2103 - Introduction To Religious Studies

Introduction to Religious Studies will focus on defining and classifying religious practices and fundamental human questions concerning existence, ethics, and ultimate truths. These questions will be examined from numerous religious viewpoints (both Western and non-Western) that will lead to both a broader appreciation of the variety of religious experiences and an understanding of the academic approach to comparative religions. Prerequisite(s): ENG 1113.

HUM 2113 - General Humanities: Ancient And Medieval

General Humanities: Ancient to Medieval is a survey of art, architecture, music, literature, philosophy, and religion of Western culture from the beginnings of human culture to the end of the Medieval Period. Prerequisite(s): ENG 1213.

HUM 2223 - General Humanities: Renaissance To Modern

General Humanities: Renaissance to Modern is a survey of art, architecture, music, literature, philosophy, and religion of Western culture from the end of the Medieval Period to modern times. Prerequisite(s): ENG 1213.

HUM 2243 - Literature and Culture

This course is an interdisciplinary study of Western and Non-Western cultural traditions using literature as a focal point of analysis.

HUM 2273 - Art and Culture

This course is an interdisciplinary study of Western and Non-Western cultural traditions using it as a focal point of analysis.

HUM 2303 - Music and Culture

Music and Culture is an interdisciplinary study of Western and Non-Western cultural traditions using music as a focal point of analysis. Prerequisite(s): ENG 1213

HUM 2333 - Philosophy and Culture

This course is an interdisciplinary study of Western and Non-Western cultural traditions using philosophy as a focal point of analysis.

HUM 2423 - Non-Western Humanities

This course is a study of the significant ideas of humanity as manifested in the arts, philosophy and religion of the Non-Western world.

HUM 3000 - Workshop In General Humanities

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HUM 3013 - Bronze Age Humanities

This course is an interdisciplinary study of the cultural accomplishments of the Bronze Age. The art, literature, and philosophies of the ancient world are given equal emphasis to provide a comprehensive understanding of Egyptian, Mesopotamian, and Aegean civilizations.

HUM 3033 - Medieval Humanities

This course is an interdisciplinary study of the cultural accomplishments of Europe that date from the fall of Rome to the dawn of the Renaissance. The art, literature, and philosophies of the medieval period are given equal emphasis to provide a comprehensive understanding of the world of the middle ages.

HUM 3043 - Renaissance & Baroque Humanities

This course is an interdisciplinary study of the cultural accomplishments of Europe that date from the beginning of the Renaissance, through to the Baroque, the Rococo, and the Enlightenment. The art, literature, and philosophies of these cultural phases are given equal emphasis to provide a comprehensive understanding of four centuries of Europe in the pre-modern period.

HUM 3053 - 19th & 20th Century Humanities

This course is an interdisciplinary study of the cultural accomplishments of western civilization from the age of revolution to the present. The art, literature, and ideas of the last 200 years are given equal emphasis to provide a comprehensive understanding of the complexities of modern culture.

HUM 3063 - American Humanities

This course is an interdisciplinary study of the cultural accomplishments of America from its colonial past to the immediate present. The art, literature, music, and philosophies of the United States are given equal emphasis to provide a comprehensive understanding of the development and influences of American culture.

HUM 3073 - Native American Humanities

This course is an interdisciplinary study of the cultural accomplishments of the Native Americans. The art, literature, music, and philosophies of various Indian tribes will be given equal emphasis to provide a comprehensive understanding of Native American cultures past and present.

HUM 3113 - Old Testament Humanities

Old Testament Humanities is an interdisciplinary course that examines the textual, philosophical, and cultural traditions of Judaism, from the earliest Hebrews to the rebellions against Hellenization. In addition to critically examining the origins and investigating the diverse interpretations of the canonical and apocryphal texts associated with the Old Testament (or Tanakh), students will also explore the cultural environment that gave birth to the people known successively as the Hebrews, the Israelites, and the Jews. Prerequisite(s): Junior standing.

HUM 3123 - New Testament Humanities

New Testament Humanities is an interdisciplinary course that examines the textual, philosophical, and cultural traditions of early Christianity from the time of Jesus to the Fall of Rome. In addition to gaining a critical appreciation for the origins and diverse interpretations of the canonical texts that became the New Testament, students will explore the Judaic, Hellenistic, and Roman cultural environments that gave birth to Christianity. Prerequisite(s): Junior standing.

HUM 3133 - Ancient Greek Culture

Ancient Greek Culture is an interdisciplinary humanities course that examines the accomplishments of the Hellenes. The art, literature, music, and philosophy of the Greeks will be given equal emphasis to provide a comprehensive understanding of one of the central foundations of Western Civilization. Prerequisite(s): Sophomore standing or above.

HUM 3233 - Ancient Roman Culture

Ancient Roman Culture is an interdisciplinary humanities course that examines the accomplishments of the Romans. The art, literature, music, and ideas of the Romans will be given equal emphasis to provide a comprehensive understanding of one of the central foundations of Western Civilization. Prerequisite(s): Sophomore standing or above.

HUM 3423 - Enlightenment Humanities

Enlightenment Humanities is an interdisciplinary course that examines the accomplishments of the Enlightenment. The art, literature, music, and philosophies of Enlightenment Europe (with focus on the 18th century) will be given equal emphasis to provide a comprehensive understanding of the Enlightenment period of Western Civilization.

HUM 3903 - History Of Film I

This course is an intensive study of the early history of cinema, from the development of the medium, through the establishment of narrative film traditions, to the classic motion pictures of the first half of the 20th century. This course replaces ENG 3903. Prerequisite(s): Junior standing.

HUM 3913 - History Of Film II

This course is an intensive study of the history of film from 1950 to the present. Both American and foreign cinematic traditions will be covered. This course replaces ENG 3913. Prerequisite(s): Junior standing.

HUM 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 4083 - Film Criticism

Film Criticism examines classic and contemporary film theory and criticism of the twentieth- and twenty- first centuries against a background of film illustrations, other arts, and aesthetic ideas. Studying canonical as well as more recent texts, students will gain a greater understanding of film as a changing artistic medium, a globally varied form of cultural expression, and an international commodity.

HUM 4113 - World Religions

World Religions is an interdisciplinary course that examines the diverse phenomena of humanity's various religious practices and beliefs. Cultural and intercultural parallels will be drawn, and similarities and differences distinguished. Through an exposure to the diverse means by which religions are made manifest, students will gain a broader contextual framework within which they may better understand both their own convictions and those of others. Prerequisite(s): Junior standing.

HUM 4123 - Pagan Europe

Pagan Europe is an interdisciplinary course that examines the religious, philosophical, and cultural perspectives of European peoples before the advent of Christianity. Extinct religious practices from the Paleolithic Period to the Viking Age will be evaluated to extrapolate both their particular characteristics and their universal aspects. Prerequisite(s): Junior standing.

HUM 4133 - Women, Witches, & Religion

This interdisciplinary seminar examines the phenomena of women whose lives lie outside of the norms of social expectations. Literary, historical, psychological, philosophical, and religious responses to such women will be evaluated to gain an understanding of female heterodoxy, from biblical times to the present. Prerequisite(s): Junior or senior standing.

HUM 4223 - Jerusalem: One City/Three Religions

Jerusalem: One City/Three Religions examines the religious, historical, cultural, and political phenomena of the extraordinary city of Jerusalem, considered a holy place in Judaism, Christianity, and Islam. Prerequisite(s): Junior or senior standing.

HUM 4303 - National Cinemas

National cinemas is an interdisciplinary course that examines the diverse phenomena of world cinema. Cultural and intercultural parallels will be drawn, and similarities and differences distinguished. Through an exposure to the diverse nature of foreign cultures, students will gain a broader contextual framework within which they may better understand both their own cinematic conventions and those of others. Prerequisite(s): Junior standing.

HUM 4323 - When God was a Woman

When God was a Woman examines the historical and cultural phenomena of religious traditions involving the worship of Goddesses, in particular those outside the monotheistic male-oriented Abrahamic faith. Literary, historical, psychological, philosophical and religious responses to and interpretations of such traditions will be evaluated to gain an understanding of this heterodoxy, from ancient times to the present. Prerequisite(s): Junior or senior standing.

HUM 4413 - Apocalypse and Armageddon

Apocalypse and Armageddon is an interdisciplinary examination and analysis of our modern preoccupation with "end times." As the world

becomes a more dangerous place and as we have literally become capable of destroying our planet, the fears of our age have rallied around apocalyptic and post-apocalyptic paradigms. These manifest themselves not only in religion, but in literature, film, broadcasting, and other forms of cultural expression. Prerequisite(s): Junior level or above.

HUM 4803 - Humanities Capstone

The Humanities Capstone course synthesizes the topics Humanities students have encountered during their major program. Students analyze their own scholarship in a paper they have written for an earlier course, and then revise that paper to improve it. Students then choose a new topic to cover in a culminating scholarly paper. The new paper is presented orally in a public forum. Prerequisite(s): Enrollment open to Humanities majors with senior standing.

HUM 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 4910 - Seminar In General Humanities

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

HUM 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

HUM 4940 - Field Study In Humanities

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

HUM 4950 - Internship In Humanities

Credit will vary from 1 to 8 hours.

HUM 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

HUM 4970 - Study Tour In Humanities

Credit will vary. Subject matter will vary within the department's field of study.

INTERNATIONAL BUSINESS (IB)

Department of Economics

IB 2000 - Topics in International Business

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IB 3000 - Workshop in International Business

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

IB 3323 - International Business Communication

This course focuses on the study and application of written, oral, and electronic-mediated business communication throughout the world. This course provides a cultural focus on the process by which all functions of business - accounting, management, economics, marketing, finance and law - are presented, negotiated, conducted, and evaluated in different international contexts, including, but not limited to, Eastern and Western Europe, Asia, Africa, the Middle East, and Latin America. Prerequisite(s): Junior standing or above.

IB 3433 - The Business of Latin America

This course is a study of the cultural, economic, regulatory, and political aspects of business in Latin America. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within the Western Hemisphere. Prerequisite(s): Junior standing or above.

IB 3443 - The Business of Europe

This course is a study of the cultural, economic, regulatory, and political aspects of business in Europe. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within European countries and the European Union. Prerequisite(s): Junior or senior standing.

IB 3453 - The Business of Africa/Middle

This course is a study of the cultural, economic, regulatory, and political aspects of business in Africa and the Middle East. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within African and Middle Eastern countries. Prerequisite(s): Junior or senior standing.

IB 3463 - The Business of Asia-Pacific

This course is a study of the cultural, economic, regulatory, and political aspects of business in Asia, with a particular emphasis on China and India. The course includes, but is not limited to, an examination of regional trade agreements, negotiation protocols, and logistical issues facing U.S.-based multinational corporations, consultants, and expatriates participating in business within Asia, the Pacific Rim, and Oceania. Prerequisite(s): Junior or senior standing.

IB 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IB 4363 - International Business Research

This course is a culminating experience for students majoring in International Business (IB). Emphasis is placed on students' ability to integrate their knowledge of business, international concepts, and their world region specialization through research, discussion, networking, and career development activities. A program capstone assessment experience is also included. Prerequisite(s): Completion of 90 total credit hours of which 45 should be upper-level business courses and senior standing.

IB 4900 - Practicum in International Business

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IB 4910 - Seminar in International Business

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IB 4920 - Workshop in International Business

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

IB 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IB 4940 - Field Study in International Business

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

IB 4950 - Internship in International Business

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

IB 4960 - Institute in International Business

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

IB 4970 - Study Tour in International Business

Credit will vary. Subject matter will vary within the department's field of study.

INSTRUCTIONAL MEDIA (IME)**Donna Nigh Department of Advanced Professional & Special Services****IME 1102 - Use of the Library**

Students will learn to do library research using online and print resources. They will learn the life cycle of information and how to discriminate between various types of information in order to select credible resources suitable for academic use. They will learn how to develop a research topic and create a bibliography, using accepted style formats. These research skills are essential for college and beyond. Recommended for all freshmen.

IME 1201 - Information And Research Strategies

This survey course develops research methodologies and information discrimination techniques using print, nonprint, and electronic resources. While all basic subject areas will be introduced, the student's specialized subject area will be emphasized. Examination, evaluation, and application of classification systems, research methodology, bibliography development, writing style formats, and traditional and electronic resources will be stressed. Recommended for all freshmen.

IME 2000 - Topics

Credit will vary from 1 to 4 hours. Consists of selected topics of a library media education nature, each taught by a member of the library media staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance and relevance to problems of contemporary society.

IME 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

IME 3312 - Technology for Teachers

This course provides proficiency at utilizing technology in the P-12 classroom arena. Focus is on curriculum integration. Prerequisite(s): Computer literacy - with knowledge of Office applications including Word, Excel, and PowerPoint; knowledge of use of the Internet is also required. Must be Sophomore standing or above. Enrollment open to teacher education majors only.

IME 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 4163 - Library Materials For Elementary Schools

Emphasis on building a library collection suitable to the interests of elementary school students, their reference needs, and curriculum requirements of the elementary school.

IME 4183 - Library Materials For Secondary Schools

This course examines qualitative and contemporary resources for young adult media center collections. Evaluation and application of genres, themes, literary aspects, authors, and curriculum uses are examined.

IME 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

IME 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

IME 4950 - Internship

Credit will vary from 1 to 8 hours.

IME 4960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

IME 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

INFORMATION SYSTEMS AND OPERATIONS MANAGEMENT (ISOM)**Department of Information Systems and Operations Management****ISOM 2000 - Topics**

Credit will vary from 1 to 4 hours. Consists of selected topics of a business statistics nature, each taught by a member of the business statistics staff who has expertise in that particular area. The topics chosen for each course will be chosen on the basis of student interest, significance, and relevance to problems of contemporary society.

ISOM 2012 - Personal Computer Productivity

This course enables students to enhance their knowledge and develop their skills in the use of packaged computer software. Students will complete individual projects in functional areas of business using applications such as document management, spreadsheet, and database. Students will learn computer search techniques to research business topics.

ISOM 2313 - Programming For Business Applications

This course is designed for students who will help organizations obtain and integrate application programs to improve business processes rather than develop and write extensive programs. Programming fundamentals are examined to enable students to write simple programs or modify and integrate existing programs to meet rapidly changing business requirements. Students will be able to understand the role of program code and data in the development of an organization's business applications. Prerequisite(s): Sophomore, junior or senior standing.

ISOM 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ISOM 3123 - Introduction To Management Science

This is an introductory course focusing on management science/operations research techniques used in analytical decision making. The major topics covered include: linear programming modeling and solution, distribution problems, network models, project management, and decision analysis. Application of these techniques in areas such as production, marketing, finance, and accounting are covered. Students are introduced to the use of computer software packages. Prerequisite(s): ECON 2173.

ISOM 3263 - Management Information Systems

Managerial/organizational information needs and the role of information systems in business organizations will be identified. Students will also describe the functions and uses of computer hardware and software technologies used in solving information systems which are developed and implemented. The development and implementation of such systems will be explored. Prerequisite(s): All business majors: MATH 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2103, and ECON 2203 must all be completed with a minimum "C" grade. Non business majors must seek departmental or academic advisor permission.

ISOM 3313 - Operations Management

This course is designed to acquaint the student with the area of operations management. This is an overview course in operations management where students will be exposed to the different tools used by upper management, in both the service sector as well as the manufacturing sector, to improve the decision making process. Topics include: productivity, strategy, decision making, quality improvement, work measurement, project management; and product, process, capacity, and layout decisions. Prerequisite(s): All business majors: MATH 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2103, ECON 2173 and ECON 2203 must all be completed with a minimum "C" grade. Non business majors must seek departmental or academic advisor permission.

ISOM 3343 - IT Security and Risk Management

This course provides an introduction to information security and risk management at the organizational level. Critical security principles used to plan, develop, and perform security tasks are addressed. Issues concerning hardware, software, processes, communications, applications, policies and procedures are covered. Prerequisite(s): ISOM 2313, 3363 and junior or senior standing.

ISOM 3363 - Business Problem Solving with Software

This course will focus on developing and implementing business applications using the internet, spreadsheet software, and database management tools. Information systems techniques will be used to solve managerial and organizational problems of limited complexity with popular microcomputer application programs. In addition, protocols, procedures and tools associated with the internet will be used to enhance the business organization and the business problem solving process. Prerequisite(s): ISOM 3263.

ISOM 3373 - Information Technology and System Software

The primary objective of this course is to provide the practical knowledge and skills needed to understand, install, maintain, and upgrade PC-type microcomputer systems in a networked environment. The course covers the underlying technology and methodology for performing these operations and enables systems development personnel to understand tradeoffs in computer architecture for effective use in a business environment. Prerequisite(s): ISOM 2313 and junior or senior standing.

ISOM 3383 - Windows Client Configuration

Students will investigate the in-depth components of installing, upgrading and deploying Windows client configurations. Additionally, device configuration, application compatibility and network connectivity is examined. Students will inspect mobile computing technologies and file, folder and share security, as well as analyze system mainte-

nance procedures and backup-restore methodologies. Prerequisite(s): ISOM 3373 and junior or senior standing.

ISOM 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 4043 - Operations Planning & Control

This course is designed to acquaint the student with the methods of planning and control for operations. Topics include: inventory planning and control, material requirements planning, procurement, aggregate capacity and production planning, scheduling and control, statistical quality control, and maintenance. Prerequisite(s): ISOM/DESC 3313.

ISOM 4063 - Computer Simulation

This course focuses on the use of computer simulation for business process improvement. Through the use of Monte Carlo and discrete-event simulation modeling, the student will learn to conduct simulation studies beginning with problem statement and extending through output analysis and improvement design. A modern computer simulation software package will be used in the course. Prerequisite(s): ISOM 3313.

ISOM 4163 - Business Systems Analysis & Design

This course examines the overall business firm as a balanced decision-making supersystem of integrated subordinate subsystems. The concept of information system planning, design, and utilization is approached through recognized system development procedures. In addition, case studies and simulation models are used to demonstrate the importance of effective business information processing systems. Prerequisite(s): (ISOM 2313 or ISOM 3123) and ISOM 3363. Must be Junior standing or above.

ISOM 4263 - Data Resource Management

This course examines how organizations use technology to manage data as an organizational resource. Students will learn to analyze an organization's purpose and develop an information system that will meet the data needs of the organization. Topics include methods for assessing data requirements, developing a conceptual data design, translating that design into an operational information system, and administering and managing organizational data. Through student projects, students will apply concepts learned to an actual organization. Credit may not be earned for both ISOM/DESC 4263 and CMSC 4003. Prerequisite(s): ISOM 3363. Junior standing or above.

ISOM 4283 - Developing Decision Support Systems

Students will understand how information technology can be used to support semi-structured decision making process itself, the data and model components of the system, user-interface design, and implementation and evaluation of support systems. Students will learn how to develop flexible solutions, using packaged computer software, that support various business decisions. They will design and demonstrate prototype decision support systems. It will be expected that these systems draw data from multiple sources and apply decision models from the functional areas of business. Prerequisite(s): ISOM/DESC 3363.

ISOM 4303 - Business Application Management

This second programming oriented course in the MIS major will provide students with a basic understanding of two-tiered and three-tiered business applications that share a common database. Students will create programming objects that may be reused across a number of applications. Students will understand how to create web-based user interfaces for eCommerce applications. Prerequisite(s): ISOM 2313.

ISOM 4323 - Methods Of Operations Supervision

Emphasis is on the functions of the supervisor as the link between middle management and the operative work force. To supervise is to oversee people and supervision is, therefore, a function of all manag-

ers. However, the first-line supervisor is in a unique position to influence positively the productivity and morale of rank-and-file workers. This course focuses on three major functions of the supervisor: leading, producing, and training. It applies methods and techniques that have been used successfully in government and business to develop effective supervisors. Prerequisite(s): MGMT 3103.

ISOM 4333 - Project Management

This is a course in which the management of projects is compared and contrasted with functional management. The dimensions of time, cost and quality are emphasized. Human resources, communication, procurement, risk, and integration are also covered. Students will plan a project using state-of-the-art software. Prerequisite(s): ISOM 3313, MGMT 3103.

ISOM 4353 - Quality Assurance

This course is designed to enhance the student's awareness of the vital role quality plays in the continuous drive to improve organizational effectiveness. Those who complete the course will have a strong understanding of the basic concepts associated with the philosophy of quality management, quality planning, statistical process control, process improvement, reliability, supplier and customer relationships and quality information systems. Prerequisite(s): ECON 2173 (previously DESC 2173), MGMT 3103.

ISOM 4363 - Information Systems Management

This course covers managing the information systems (IS) function in organizations and how IS support organization capabilities. From a senior management perspective, students explore the evaluation, selection, acquisition, and implementation of enterprise IS and related policies. The course addresses the operational, administrative, and strategic IS needs of the organization. Students learn frameworks and strategies for assessing and managing IS infrastructure, analyzing IT investment, and evaluating emerging technologies. Prerequisite(s): Senior standing, ISOM 4163 or 4263.

ISOM 4463 - Managing/Troubleshoot Networks

The primary objective of this course is to provide the practical knowledge and skills needed to understand system and network administration in a small to medium-sized organization with a Windows client/server environment. It is assumed that the student has already gained proficiency in the current client version of the Windows operating system and that the student possesses basic computer hardware and system software knowledge. This course will expand that knowledge to cover concepts and skills necessary to administer computing resources in a Windows Server environment. Specific topics will include network configuration and troubleshooting, operating system configuration and troubleshooting, application software installation and configuration, computer and network security, storage management, and fault tolerance. Prerequisite(s): ISOM 3373 and junior or senior standing.

ISOM 4503 - Application Development w/ SQL Server

This course provides students with the opportunity to implement a relational database design using the industrial-strength database management system SQL Server. Students will build upon their knowledge from previous programming and database courses to gain an understanding of the architecture and uses of SQL Server. This course provides a foundation in database development, both Windows and Web-based, that emphasizes practical knowledge and marketable skills. Prerequisite(s): ISOM 2313, 4263 and junior or senior standing.

ISOM 4513 - Virtualization

The primary objective of this course is to provide the understanding and abilities needed to plan, configure, and manage virtual environments. It is assumed that the student has gained proficiency in a Windows server operating system version and that the student possesses basic computer hardware and system software knowledge. This course will cover the knowledge and skills necessary to implement

and maintain virtual server hosts, virtual servers, and virtual desktops. Prerequisite(s): ISOM 4463 and junior or senior standing.

ISOM 4523 - Server Plus

The primary objectives of this course are to develop knowledge of the various hardware components of a server, provide the abilities to troubleshoot server problems, and gain the skills needed to effectively manage servers in a production business environment. It is assumed that the student has already gained proficiency in a Windows operating system and possesses basic computer hardware knowledge. This course will expand that knowledge to cover concepts and skills necessary to administer servers for an enterprise. Specific topics include proactive server maintenance, installing memory and hard drives, as well as configuring RAID. Prerequisite(s): ISOM 3373 and senior standing

ISOM 4843 - Operations & Supply Chain

This course is intended as an integrative experience for students studying operations and supply chain management. The course will provide an understanding of the collection of people, resources, and activities involved in bringing materials and information together to produce and deliver goods and services to customers. A global framework for understanding how complex production and supply chain systems behave will be offered with a strong emphasis on management decision making. Successfully completing this course should provide students with the skills and knowledge they need to enter a professional position in operations and supply chain management. Prerequisite(s): ISOM 4043, MRKT 3313 and junior or senior standing.

ISOM 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ISOM 4930 - Independent Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

ISOM 4950 - Internship

Credit will vary from 1 to 8 hours.

ISOM 4960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

ISOM 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

JAPANESE (JAPN)

Department of Modern Languages, Literature & Cultural Studies

JAPN 1003 - Elementary Japanese Conversation I

A general introduction to Japanese conversation for individuals with no previous, formal study of Japanese.

JAPN 1013 - Elementary Japanese Conversation II

This course is the sequel to Elementary Japanese Conversation I. The study of the sound system is continued and additional vocabulary and structures are introduced. Students will also master the two syllabaries and begin their study of Kanji. Prerequisite(s): JAPN 1003.

JAPN 1114 - Elementary Japanese I

This course is an introduction to Japanese pronunciation, conversation, grammar, reading and composition. The student will learn the two Japanese syllabaries as well as 75 basic Kanji.

JAPN 1224 - Elementary Japanese II

This course is a sequel to Elementary Japanese I. The student will continue the study of Kanji, mastering approximately 150 Kanji. Prerequisite(s): JAPN 1114.

JAPN 2000 - Topics In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 2113 - Intermediate Japanese

This course reviews the basic principles of Japanese grammar studied in the first two semesters through extensive composition. The course further introduces more sophisticated grammatical structures in a communicative context thus giving equal attention to all four communicative skills. Writing will emphasize the acquisition of additional Kanji. Prerequisite(s): JAPN 1114, 1224.

JAPN 3000 - Workshop In Japanese

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

JAPN 3990 - Advanced Topics In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 4900 - Practicum In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 4910 - Seminar In Japanese

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

JAPN 4920 - Workshop In Japanese

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

JAPN 4930 - Individual Study In Japanese

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study.

JAPN 4940 - Field Study In Japanese

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

JAPN 4950 - Internship In Japanese

Credit will vary from 1 to 8 hours.

JAPN 4960 - Institute In Japanese

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

JAPN 4970 - Study Tour In Japanese

Credit will vary. Subject matter will vary within the department's field of study.

KINESIOLOGY (KINS)**Department of Kinesiology and Health Studies****KINS 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

KINS 2643 - Introduction To Kinesiology Studies

This course will investigate the nature, scope, and impact that leisure services have on society including the historical and philosophical background, delivery systems, and professional preparation. This course replaces REC 2643.

KINS 2713 - Physical Activity & Health

This course is designed to examine the relationship between physical activity and health. It will explore the health benefits of a physically active lifestyle as well as the negative health consequences of physical inactivity. Basic concepts of physical activity promotion at the individual, group, community, national, and world-wide level will be presented. The goal of this course is for students to be able to demonstrate critical thinking and communication skills regarding the link between physical activity and health. Prerequisite(s): KINS 2643.

KINS 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

KINS 3112 - Group Exercise Techniques

The course will study principles and methods of exercise leadership. Primary focus will center on exercise programming and participation, teaching methods, technique evaluation, supervision, and leadership of various types of group exercise programs. Prerequisite(s): HLTH 3223 or BIO 2504 or FNRL 2214 and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 3403 - Principles In Leadership Development

This course will examine the leadership techniques, organizational and administrative procedures necessary to become an effective and productive leader in the leisure and fitness professions. Prerequisite(s): KINS 2643. This course replaces REC 3402.

KINS 3503 - Pharmacology Health/Fitness Professionals

This course will provide an overview into the medications commonly encountered by health/fitness and athletic training professionals. The course will address categories of drugs; generic and trade names of common drugs; the use, effects and precautions for common drugs; and drug interactions. It will also focus on how various drugs affect the individual's response to exercise and stress. Prerequisite(s): CHEM 1014 or 1103. Enrollment open to Exercise/Fitness Management majors only.

KINS 3623 - Program Design And Management

The course will examine the principles and practical applications for designing, implementing, monitoring, promoting, and evaluating a wide variety of program forms in the recreation, leisure and fitness industry. Prerequisite(s): KINS 2643. This course replaces REC 3623.

KINS 3632 - Grant Writing & Fundraising

This course will focus on methods, techniques, and direct experience in acquiring funds and in-kind resources necessary for the successful operation of philanthropic/community leisure/fitness agencies. All students will be expected to identify a worthy cause and write a proposal for submission to a viable funding agency. Students will have the opportunity to develop a fundraising activity for a specific agency. Prerequisite(s): KINS 2643. Junior or senior standing.

KINS 3713 - Research and Evaluation

This course is designed to provide an understanding of the processes and methods of research and evaluation, as they relate to kinesiology and health studies. Prerequisite(s): KINS 2643. Junior or senior standing. Enrollment open to Kinesiology and Community Health majors only.

KINS 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

KINS 4203 - Physical Activity and Aging

This course is a study of the physiological, psychological, and social aspects of physical activity for older adults. Topics covered include an overview of aging, benefits of physical activity throughout the lifespan, and fitness assessment and programming options for older adults. Prerequisite(s): PHED 3503 and PHED 3333; KINS 4513 and KINS 4523 are recommended. Junior or senior standing and admission to the Kinesiology - Exercise and Fitness Management major. Enrollment open to Kinesiology majors only.

KINS 4252 - Legal Aspects Leisure/Fitness Programs

This course will provide an opportunity to study the legal responsibilities of persons functioning in the fields of recreation and exercise/fitness science. It will include both application and interpretation of the law. This course replaces PHED 4252.

KINS 4263 - Performance Training Concepts

This course is designed to increase the practical and theoretical understanding and knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditioning programs for various populations. Prerequisite(s): PHED 3503. Junior or senior standing and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4323 - Exercise Programs For Special Populations

This course is designed to increase the understanding and practical application of exercise to special populations. The students will learn and apply knowledge on how to modify exercise for individuals and groups based on age, medical conditions, and special needs. The areas covered will include but are not limited to: coronary heart disease, diabetes, asthma, obesity, pregnancy, physically and mentally challenged. Prerequisite(s): PHED 3503 and (KINS 4513 or concurrent enrollment) and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4413 - Applied Exercise Physiology

This course will cover a breadth of material relevant to the exercise physiology field such as ergogenic aids, hormones and exercise training, exercise and weight control, and aging and disease prevention. The application of physiological principles of training for fitness will be examined. Prerequisite(s): PHED 3503, HLTH 1112, 3412, CHEM 1014 and 1014L. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4433 - Management Principles in Kinesiology

This course will incorporate the study of management and administrative skills needed to successfully meet the demands of working in the areas of leisure, recreation, and fitness. It will include an in depth look into areas such as decision-making, personnel issues and budgetary concerns. This course replaces REC 4433. Prerequisite(s): KINS 3623. Senior standing. Enrollment open to Kinesiology majors only.

KINS 4513 - Fitness Assessment

The primary focus of this course is to provide exercise/fitness professionals with the knowledge and skills required to assess the physical fitness status of individuals. Attention will be placed on the measurement of human metabolic responses in laboratory and field settings. Prerequisite(s): PHED 3503. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4523 - Exercise Prescription

This course will focus on the knowledge and skills necessary to effectively prescribe exercise programs to various populations. The students will demonstrate the ability to analyze physical assessments and apply appropriate exercise prescriptions to meet health-related physical fitness goals. Prerequisite(s): KINS 4513. Junior standing or above and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

KINS 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

KINS 4930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

KINS 4950 - Internship

The Kinesiology Internship is a directed experience working in a wellness or fitness-related agency performing professional duties and responsibilities. Prerequisite(s): KINS 3403, 3623, 4263, 4323, 4413, 4433, 4523 and 4900. Senior standing and admission to the Kinesiology - Exercise and Fitness Management major.

KINS 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

KINS 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

LATIN (LATN)**Department of Modern Languages,
Literature & Cultural Studies****LATN 1114 - Elementary Latin I**

This course is an introduction to Latin pronunciation, conversation, grammar, reading and composition.

LATN 1224 - Elementary Latin II

This course is a sequel to Elementary Latin I. Prerequisite(s): LATN 1114 or one year of high school Latin.

LATN 2000 - Topics In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 2113 - Intermediate Latin

Intermediate Latin presents a review of Latin grammar and application of grammatical principles through composition and readings. Prerequisite(s): LATIN 1114, 1224.

LATN 2132 - Intermediate Latin Readings

Selected readings. Prerequisite(s): LATIN 1114, 1224.

LATN 3000 - Workshop In Latin

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

LATN 3990 - Advanced Topics In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 4900 - Practicum In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 4910 - Seminar In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 4920 - Workshop In Latin

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

LATN 4930 - Individual Study In Latin

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LATN 4940 - Field Study In Latin

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

LATN 4950 - Internship In Latin

Credit will vary from 1 to 8 hours.

LATN 4960 - Institute In Latin

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

LATN 4970 - Study Tour In Latin

Credit will vary. Subject matter will vary within the department's field of study.

LEADERSHIP (LEAD) University Courses

LEAD 1113 - Introduction to Leadership

This course introduces the basic tenets of leadership. Major emphasis will be placed on select leadership theories, values clarification and character development.

LEAD 1213 - Leadership Development

Leadership Development provides students with the opportunity to discover the meaning and application of leadership in terms of its integral characteristics, global impact, and teamwork saliency. By the end of the course, students will also be able to effectively analyze and guide their personal development in terms of leadership. Prerequisite(s): Enrollment open to freshmen students only.

LEAD 1321 - Lessons in Leadership

Lessons in Leadership is UCO's unique speaker series which features outstanding local and national leaders from a variety of backgrounds once a week. Students who choose to take the course for credit may earn either 1 or 2 credit hours.

LEAD 1331 - Servant Leadership

Servant Leadership explores the 10 characteristics of a servant-leader in an experiential setting.

LEAD 2000 - Topics in Leadership

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 2213 - Theories of Leadership

This course introduces the main conceptual approaches to organizational leadership. Students examine the relationships between leaders and followers within the context of organizational culture. Service obligations and ethical implications are emphasized.

LEAD 3000 - Workshop in Leadership

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speakers, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

LEAD 3223 - Leadership Studies/Transfers

This course is designed for students who have distinguished themselves in leadership roles at the community college level, this course provides advanced and in-depth leadership education and practical experience through lecture, group projects, extensive reading and writing assignments and service activities. Prerequisite: Junior standing or above.

LEAD 3313 - Leadership & Civic Engagement

This course explores the role of leadership and commitment to civic responsibility and action. Prerequisite(s): LEAD 2213 with a minimum grade of "C" and junior or senior standing.

LEAD 3513 - Leadership Communication

This course will examine relationships between effective communication and quality leadership in multiple contexts. This course is cross-listed with COMM 3513 and credit may not be earned for both COMM 3513 and LEAD 3513. Prerequisite(s): LEAD 2213 or permission of instructor.

LEAD 3533 - Women and Leadership

Women and Leadership will critically examine historical and contemporary leadership challenges and opportunities facing women. A major focus of the course will center on strategies for change and success. Prerequisite(s): ENG 1113, 1213 and MCOM 1113 and junior standing or above.

LEAD 3541 - Biblical Women: Leaders to Emulate

Biblical Women: Leaders to Emulate will critically examine Biblical women's leadership opportunities, challenges and roles. A major focus of the course will center on strategies for their success which may be emulated today.

LEAD 3552 - Jesus as Leader

Jesus as Leader will critically examine leadership strategies of Jesus. A major focus of the course will center on the strategies and reasons for their success. Applications will bring relevance for today's leadership challenges. Note: This course may serve as an elective for the Leadership Minor. Prerequisite(s): Sophomore standing or above.

LEAD 3611 - Building Effective Teams

Building Effective Teams examines the processes involved in selecting, building, and maintaining strong teams. Issues under examination include but are not limited to team formation and selection, managing problem solving processes in teams, and information sharing in teams. This course has a particular focus on the role of teams in the knowledge economy. Prerequisite(s): Sophomore standing or above.

LEAD 3631 - Leadership & Immediacy Behaviors

Leadership and Immediacy Behaviors will examine effective immediacy behaviors (verbal and nonverbal communication techniques/strategies) to increase leadership influence in multiple contexts. Prerequisite(s): Sophomore standing or above.

LEAD 3723 - Measuring & Evaluating Leadership

Measuring and Evaluating Leadership addresses the problems associated with defining and measuring leadership in ways that are consistent with theories of leadership and accepted research methods. The goal is to equip the student to become a proficient consumer and producer of

evaluations of specific leaders. Prerequisite(s): Sophomore standing or above.

LEAD 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 4213 - Ethics and Leadership

This course explores the ethical approaches to and ethical problems surrounding leadership in both the public and private sectors. Prerequisite(s): LEAD 2213 with a minimum grade of "C" and junior or senior standing.

LEAD 4893 - Civic Leadership Capstone

This course provides practical experience for students pursuing training in leadership. Venues will vary upon approval of the instructor of the course. Prerequisite(s): LEAD 2213, 3313, and 4213 with a minimum grade of "C" and junior or senior standing.

LEAD 4900 - Practicum in Leadership

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 4910 - Seminar in Leadership

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 4920 - Workshop in Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

LEAD 4930 - Individual Study in Leadership

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 4940 - Field Study in Leadership

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LEAD 4950 - Internship in Leadership

Credit will vary from 1 to 8 hours.

LEAD 4960 - Institute in Leadership

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

LEAD 4970 - Study Tour in Leadership

Credit will vary. Subject matter will vary within the department's field of study.

LEGAL STUDIES (LS) Department of Finance

LS 2000 - Topics In Legal Studies

Credit will vary from 1 to 4 hours. Consists of selected legal topics chosen on the basis of student interest, significance, and relevance to problems of contemporary society.

LS 3113 - Legal Environment Of Business

This course provides an overview of the American legal system, ethical issues in business decision making, and the major sources of law in the United States, with special emphasis on the law of contracts. Other topics include administrative law, labor and employment law, employment discrimination, and concepts of tort law including negligence, intentional torts, strict liability and products liability. Prerequisite(s): Junior standing.

LS 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LS 4143 - Law Of Business Organizations

A course involving the study of the law relating to the formation, operation, and termination of various forms of business organizations with special emphasis on partnerships and corporations. Includes a study of the law of agency. Prerequisite(s): LS 3113.

LS 4153 - Contemporary Workplace Issues

This course provides an in-depth study of cutting edge legal issues facing business managers in today's workplace. The course emphasizes federal and state civil rights statutes and court interpretation of those statutes.

LS 4163 - Law for E-Commerce

This course will explore a broad spectrum of interesting, important, and rapidly developing issues of the law of cyberspace - such as the law of online contracts and other e-commerce legal issues, privacy, content regulation, workplace issues, intellectual property, and computer crime.

LS 4173 - Law Of Real Property

A course dealing with the general law of real property; historical development, deeds and conveyancing, landlord - tenant relationships, mortgages, types of estates, joint ownership of property, and wills, trusts, and estates. Prerequisite(s): LS 3113 recommended.

LS 4223 - Law Of Commercial Transactions

A concentrated study of the uniform commercial code in the areas of sales law, negotiable instruments, and secured transactions; includes a study of creditor's rights and bankruptcy. Prerequisite(s): LS 3113.

LS 4323 - Estate Planning and Administration

Estate Planning and Administration covers legal issues associated with estate planning, including elder law issues, and estate administration. This course examines estate planning alternatives including Wills, Trusts and Transfer-on-Death instructions. This course also examines the administration of probate, non-probate and trust estates. Prerequisite(s): LS 3113.

LS 4533 - Law Of International Business Transactions

This course examines the legal and ethical environment of international business. Topics include international treaties and conventions, comparative legal systems, legal problems faced by international business managers, and the resolution of international business disputes. Prerequisite(s): LS 3113 recommended.

LS 4623 - Legal Research and Writing

Students will learn to conduct legal research, critically analyze legal and factual information and produce comprehensive legal documents for business applications. Prerequisite(s): LS 3113.

LS 4883 - Legal Issues in Business

Legal Issues in Business explores the myriad of legal issues facing businesses. This course will integrate in a comprehensive manner the laws pertaining to contracts, business organizations, commercial transactions, statutory and regulatory compliance, real, personal and intellectual property rights, and other topical and relevant business and legal issues. Prerequisite(s): LS 3113, LS 4143 and LS 4223.

LS 4910 - Seminar In Legal Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LS 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

LS 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

LS 4950 - Internship In Legal Studies

Credit will vary from 1 to 8 hours.

LS 4970 - Study Tour

Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

LS 4970 - Study Tour

Credit will vary from 1 to 2 hours; subject matter will vary within the department's field of study.

MATHEMATICS (MATH)**Department of Mathematics and Statistics****MATH 0213 - Quantitative Literacy**

The focus of this course is to develop the quantitative skills necessary to be successful in MATH 1113. Students will learn a variety of problem-solving strategies including reasoning with proportions, numeracy, interpretation of graphs, and formula usage.

MATH 0313 - Fundamentals of Algebra I

Topics covered in this course will include polynomial arithmetic, solving equations and inequalities, and graphing.

MATH 0413 - Fundamentals of Algebra II

This course will cover topics concerning the properties of the real number system, the solutions of equations and inequalities, the algebra of rational expressions, exponents and radicals, an introduction to quadratic equations, functions and graphs, and the solution of systems of linear equations. Prerequisite(s): MATH 0313 or an appropriate mathematics placement test score.

MATH 1113 - Mathematics For General Education

This course surveys mathematical topics that are not intended as a preparation or substitute for College Algebra. The focus of this course is to develop quantitative skills, and reasoning ability necessary to help students read critically and make decisions in our technical information society. Topics include financial mathematics, probability, inferential statistics, number systems, apportionment, and graph theory. Prerequisite(s): Three units of high school mathematics or the equivalent.

MATH 1453 - College Algebra For Business

This course exposes students to equations and inequalities, as well as functions and their graphs, including polynomial, rational, exponential and logarithmic functions. Students solve problems in financial mathematics, systems of linear equations, and linear programming. Credit may be earned in only one course from MATH 1453 or MATH 1513. Prerequisite(s): Three years of high school mathematics or the equivalent.

MATH 1513 - College Algebra

The course content includes complex numbers, equations and inequalities, graphing, functions, variation, systems of equations, matrices and determinants, zeros of polynomials, mathematical induction, the binomial theorem, and sequences. Credit may be earned in only one course from MATH 1453 or MATH 1513.

MATH 1593 - Plane Trigonometry

The course content focuses on trigonometric functions, equations and identities. Students will also learn solutions of triangles and the trigonometric representation of complex numbers.

MATH 2000 - Topics In Mathematics

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

MATH 2013 - Structures Of Mathematics

Topics include the structure of number systems, operations, properties, ordering, functions and number theory beginning with natural numbers and extending through the set of all real numbers. This course is

specifically designed for elementary education, special education, and early childhood education majors.

MATH 2023 - Foundations Of Geometry & Measurement

This course surveys geometry and measurement in order to develop a foundation in shapes, measurement, congruence and similarity, coordinate geometry, and geometric transformations.

MATH 2053 - Business Calculus

This course explores the mechanics underlying differential and integral calculus, as well as, their applications to business. It primarily focuses on single variable functions, but it will also introduce multivariable functions. This course is designed to equip business students with the tools to solve problems involving limits, differentiation, interpretations of the derivative, antiderivatives, indefinite and definite integrals, and partial differentiation. Prerequisite(s): MATH 1453.

MATH 2113 - Analysis Of Data And Chance

This course will introduce students to statistics, counting techniques, probability, techniques in simulation, sampling, and consumer mathematics. This course emphasizes the use of real data, active experiments, problem solving, and student participation. This course is specifically designed for those preparing to teach at the elementary school level. Prerequisite(s): MATH 2013.

MATH 2123 - Discrete Mathematics

This is an introductory course including topics from logic, Boolean algebra, set theory, permutations and combinations, graph theory, relations, algorithms and probability. Prerequisite(s): MATH 1513.

MATH 2133 - Patterns And Functions

This course includes real-world applications solved in an active-learning environment. Topics include the treatment of mathematical patterns, functions, equations, graphs, algebraic structures and linear inequalities. This course is specifically designed for those preparing to teach at the elementary school level. Prerequisite(s): MATH 2013.

MATH 2153 - Bio-Calculus

This course is an introduction to calculus with an emphasis on biological applications. Students will be exposed to discrete dynamical systems, allometric modeling, limits, continuity, the derivative (with applications), techniques of differentiation, and optimization. Prerequisite(s): MATH 1513 with a minimum grade of "C" or high school Algebra II with a minimum grade of "C".

MATH 2305 - Accelerated Calculus 1 & 2

Accelerated Calculus 1 & 2 contains the combined content of MATH 2313, Calculus 1, and MATH 2323, Calculus 2, and is designed for Physics & Engineering majors and for other majors who desire an accelerated pace in their calculus instruction. The content of the course includes limits and continuity, differentiation and its basic applications, as well as integration and its basic applications, all in the context of both algebraic and transcendental functions of a single real variable. Prerequisite(s): MATH 1513 (or high school Algebra II) and MATH 1593 (or high school Trigonometry) both with a minimum grade of C.

MATH 2313 - Calculus 1

This is the first course of a four-semester sequence of differential and integral calculus with applications. The course covers limits and continuity, derivatives and their applications as well as the basic theory of Riemann integration in one variable and the fundamental theorem of calculus. Prerequisite(s): MATH 1513 (or high school Algebra II) and MATH 1593 (or high school Trigonometry) both courses with a minimum grade of C.

MATH 2323 - Calculus 2

This is the second course of a four-semester sequence of differential and integral calculus with applications. The course covers the techniques and applications of integration, the transcendental functions

and their inverses, as well as an introduction to differential equations. Prerequisite(s): MATH 2313.

MATH 2333 - Calculus 3

This is the third course of a four-semester sequence of differential and integral calculus with applications. The course covers infinite series, conic sections, parameterized curves, polar coordinates, vectors and analytic geometry in space, vector-valued functions, the TNB-frame, curvature and torsion. Prerequisite(s): MATH 2323 or 2305

MATH 2343 - Calculus 4

This is the fourth course of a four-semester sequence of differential and integral calculus with applications. The course covers the calculus of functions of several real variables, including Green's theorem, Stokes' theorem, and the divergence theorem. Prerequisite(s): MATH 2333.

MATH 2743 - Technology and Mathematics Education

This course will introduce future teachers of mathematics to cutting-edge technology that can be used inside and outside the classroom to enhance their students' learning. Prerequisite(s): MATH 2313.

MATH 2753 - Technology for Professional Mathematics and Statistics

This course will introduce students to the powerful computational tools and ideas necessary to work and effectively communicate ideas in mathematics, statistics, and science. Students will learn how to typeset basic and more advanced mathematics, examine the theoretical and practical pitfalls of scientific computing, read and write basic computer programs, and use computer algebra software. Prerequisite(s): Math 2313.

MATH 3000 - Workshop In Mathematics

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MATH 3103 - Differential Equations

This course introduces the theory of ordinary differential equations, the methods of undetermined coefficients and variation of parameters, operators, series solutions, Laplace transforms, numerical solutions, and their applications. Prerequisite(s): MATH 2343 or concurrent enrollment in MATH 2343 and permission of department chair.

MATH 3113 - Foundations of Advanced Mathematics

This course introduces techniques of mathematical proof with focus on properties of the real number system. Topics include elementary symbolic logic, mathematical induction, algebra of sets, relations, functions, countability, combinatorics, and graph theory. Prerequisite(s): MATH 2323.

MATH 3123 - College Geometry

This course covers advanced Euclidean geometry, including geometric construction, elements of the triangle and their relations, homothety, harmonic division, inversion, and the nine-point circle. Prerequisite(s): MATH 2323.

MATH 3133 - Theory of Interest 1

This is the first semester of a two-semester sequence delving into the theory of interest. Topics include an introduction to the terminology and methodology of solving interest problems, as well as the definitions and valuations of annuities. Prerequisite(s): MATH 2323.

MATH 3143 - Linear Algebra

This course covers elementary operations in matrix algebra, determinants, inverses of matrices, rank and equivalence, linear equations and linear dependence, vector spaces and linear transformations, the characteristic equation of a matrix, bilinear, quadratic, and hermitian forms. Prerequisite(s): MATH 2333.

MATH 3163 - Elementary Number Theory

This course covers the divisibility of integers, congruences, quadratic residues, mathematical induction, distribution of primes, diophantine equations, numerical functions, and continued fractions. Prerequisite(s): MATH 3113.

MATH 3183 - Introduction To Modern Algebra

This course introduces sets, relations, algebraic systems, logic and techniques of proof through an axiomatic approach to number systems, groups, rings, and vector spaces. Prerequisite(s): MATH 3113.

MATH 3243 - Advanced Linear Algebra

This course covers vector spaces and linear transformations, finite-dimensional vector spaces, invariance of dimension, finite-dimensional subspaces, behavior of dimension with respect to subspaces and quotient spaces. Prerequisite(s): MATH 3143.

MATH 3263 - Numerical Analysis

This course includes a discussion of error bounds and rates of convergence for iterative methods, matrix computations, methods for solving non-linear equations, numerical interpolation, differentiation, and integration. Programming assignments in MatLab will provide a practical working application of the algorithms discussed. Prerequisite(s): MATH 3103.

MATH 3323 - Teaching Middle School Mathematics

In this course students will investigate mathematical learning theory and its influence on how mathematics is and should be taught at the middle school level. The focus will be on creating tasks for middle school mathematics students, analyzing factors that affect mathematics teaching, and exploring the topics that make up the middle school math curriculum. Prerequisite(s): Six hours of mathematics at the 2100 level or higher.

MATH 3990 - Advanced Topics In Mathematics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MATH 4113 - Introduction To Operations Research I

This course covers formulation, graphical and simplex solutions of linear programming problems, duality and sensitivity analysis with applications including the transportation model and its variants, network models including PERT and CPM and goal programming. Prerequisite(s): MATH 3143.

MATH 4123 - Introduction To Operations Research II

This course covers the integer linear programming, deterministic dynamic programming, deterministic inventory models, decision analysis, games, and queuing systems. Prerequisite(s): MATH 4113.

MATH 4133 - Theory of Interest 2

This is the second semester of a two-semester sequence delving into the theory of interest. Topics include yield rates, amortization schedules, bonds and other securities. Prerequisite(s): MATH 3133.

MATH 4143 - Introduction to Analysis 1

This course introduces the study of functions of a real variable. Theory, proof techniques and writing skills are emphasized. Topics include real numbers, denseness of the real numbers, convergence of sequences of real numbers, Cauchy sequences, the Bolzano-Weirstrass theorem, continuous functions, uniform continuity, differentiable functions and integrable functions. Prerequisite(s): MATH 3113 and MATH 2333 and Junior standing or above.

MATH 4153 - Introduction to Analysis 2

This course continues the study of functions of a real variable introduced in MATH 4143 - Introduction to Analysis 1. Theory, proof techniques and writing skills are emphasized. Prerequisite(s): MATH 4143.

MATH 4203 - Fundamental Concepts Geometry

This course covers elementary theory in the foundations of geometry and logical systems, and basic theory in the fields of Euclidean, Non-euclidean, and synthetic and coordinate projective geometry, including homogeneous coordinates. Prerequisite(s): MATH 2333.

MATH 4223 - Mathematics Of Life Contingencies I

The course is directed toward all undergraduate students in the B.S. program in Actuarial Science. It is designed to equip students with an understanding of the basic theory of life contingencies. Prerequisite(s): MATH 3133 or STAT 4113.

MATH 4233 - Mathematics Of Life Contingencies II

The course is directed toward all undergraduate students in the B.S. program in Actuarial Science. It is designed to equip students with an understanding of the basic theory of life contingencies. Prerequisite(s): MATH 4223.

MATH 4243 - Vector Analysis

This course covers vector algebra, vector functions of one variable, differential equations, integral theorems, and vector spaces. Prerequisite(s): MATH 2343.

MATH 4263 - Numerical Methods

Topics in this course include the analysis of special matrices and the numerical solution of ordinary and partial differential equations with additional material from advanced numerical analysis and linear algebra as needed. Prerequisite(s): MATH 3103 and MATH 3143 and (MATH 2753 or permission of the instructor).

MATH 4483 - History Of Mathematics

This course covers the historical development of mathematical concepts and symbolism. Prerequisite(s): MATH 2333.

MATH 4503 - Symbolic Logic

This course covers the logic of syntax, an analysis of truth-functional compound statements, truth tables, formal and indirect proofs, propositional functions and the use of quantifiers, the logic of relations, and a study of the nature of deductive systems. Prerequisite(s): MATH 2323 plus 6 hours of mathematics.

MATH 4583 - Discrete Structures

This course covers set theory, algebras and algorithms, graphs and digraphs, finite state machines, lattices, groups and combinatorics, logic and languages. Prerequisite(s): CMSC 1613 and MATH 3143.

MATH 4843 - Teaching Of Secondary Mathematics

This course covers the development of secondary mathematics in the United States, the work of professionally recognized mathematics education committees, the general aspects of teaching mathematics, and detailed study for teaching various high school mathematics courses. Prerequisite(s): Six hours of MATH courses numbered above 2333. Junior or senior standing. Enrollment open to Mathematics Education majors only.

MATH 4900 - Practicum In Mathematics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MATH 4910 - Seminar In Mathematics

Credit will vary from 1 to 5 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

MATH 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MATH 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

MATH 4950 - Internship In Mathematics

Credit will vary from 1 to 8 hours.

MATH 4960 - Institute In Mathematics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Written permission of instructor.

MATH 4970 - Study Tour In Mathematics

Credit will vary. Subject matter will vary within the department's field of study.

MASS COMMUNICATION (MCOM)**Department of Mass Communication****MCOM 1103 - Introduction To Mass Communication**

This course is a survey of mass communication media, including components of broadcasting, electronic, print and digital, primarily as operating industries and systems within the United States. Attention is given to the roles of mass media in society, including economics, careers, regulations, programming and public service.

MCOM 1113 - Fundamentals of Speech

This course introduces elements of speech and principles of effective speaking in public. Emphasis is placed on performance and skills in preparing and presenting a public speech.

MCOM 1123 - Basic Photography

Basic Photography focuses on taking, developing, and printing photographs suitable for publication. Additional components include illustrating the news, creative photography and photographic appreciation. Prerequisite(s): Enrollment is open to Mass Communication, Studio Art, Art Education, Applied Liberal Arts majors, and students minoring in Mass Communication only.

MCOM 1133 - Media Writing

Media Writing is an introduction to various writing styles and techniques required for media and communication professionals. Prerequisite(s): ENG 1113. Enrollment open to Mass Communication majors only.

MCOM 1163 - Basic Photography for Criminal Justice

Basic Photography for Criminal Justice focuses on the basic techniques and theories of image making with a special emphasis on taking, processing, and printing photographs appropriate for law enforcement and certification for the Council on Law Enforcement Education and Training (CLEET). Prerequisite(s): Enrollment open to Criminal Justice-Police majors only with senior standing.

MCOM 1173 - Strategic Comm Writing

Strategic Communications Writing introduces writing for multiple media platforms in adherence with industry standards across the strategic communications disciplines of advertising, brand communications, organizational communication, and public relations and incorporates training in emerging media applications driven by technology and digital and social media. Prerequisite(s): ENG 1113. Enrollment open to Strategic Communications majors only.

MCOM 2000 - Topics in Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 2013 - Broadcast Audio Production

Broadcast Audio Production is the study of audio production techniques and processes used in broadcasting and in the creating of audio/

visual productions. Through the use of the latest audio software, students will acquire an in-depth knowledge of the various production skills and audio elements needed to create audio projects that focus on message enhancements. Prerequisite(s): Enrollment open to Mass Communication majors only.

MCOM 2033 - Media Production

This course is a study of basic principles and techniques for planning, recording and editing of audio, video and web based programs. Students learn and demonstrate skills necessary for field camera operation, audio and video recording, basic lighting techniques, and non-linear audio and video editing, and web based media. Interpreting a script through audio and video production is also a component of the course. Prerequisite(s): MCOM 1133 with a minimum grade of "C". Enrollment is open to Mass Communication majors only.

MCOM 2043 - Listening

This course is designed to give students an understanding of the elements and principles of effective listening and the practice needed to become better listeners.

MCOM 2053 - Introduction to Human Communication

To examine the communication process in its many forms, elements, functions, and effects with particular emphasis on the student as a consumer of communication. Special attention focused on major channels of cultural and subcultural communication.

MCOM 2063 - Introduction to Brand Communications/Advertising

Introduction to Brand Communications/Advertising provides an overview of brand communications and advertising as it relates to the economical and social effects on society and reviews the various components of a brand communication campaign including the history and evolution, the roles of professionals in the field, research methods, media and creativity.

MCOM 2073 - Introduction to Media Studies

Introduction to Media Studies surveys the history, theory, and practices of the mass communication industries from a critical cultural perspective. Prerequisite(s): ENG 1113 and ENG 1213.

MCOM 2153 - Introduction to Organizational Communication

This course introduces students to organizational communication research and theory with particular emphasis on communication processes within and among organizational environments. Focusing on analyses of the structure and function of communication in complex organizations, the course requires students to display both theoretical and practical knowledge of the variety of processes and methods organizations use to sustain themselves and to communicate with their internal and external publics. Prerequisite(s): Sophomore standing or above.

MCOM 2172 - Sports Announcing

Sports Announcing is the study and practice of the techniques and skills necessary for the professional sports play-by-play announcer in the electronic media industry. Students are expected to perform the play-by-play and color commentary of local football games on the campus radio and TV stations. Prerequisite(s): MCOM 2013. Enrollment open to Mass Communication majors only with sophomore standing or above.

MCOM 2193 - Principles of Public Relations

Principles of Public Relations provides an overview of the public relations profession from its historic beginnings to its contemporary role in society. The course provides a foundation for the public relations sequence by exploring its definitions, history, theories, principles, strategic planning, management practices, and career possibilities. Prerequisite(s): ENG 1113 and ENG 1213 and sophomore standing or above.

MCOM 2203 - Video News I

Video News I addresses theories and practices of news gathering and writing for video-based reporting. Students generate content and create team-driven newscasts and video-driven content. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1133. Enrollment open to Mass Communication majors.

MCOM 2213 - News Reporting

News Reporting focuses on gathering, writing, and evaluating the news. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1133.

MCOM 2223 - Darkroom Photography

Darkroom Photography focuses on the theory and practical use of black and white film and paper processing. Prerequisite(s): ENG 1113 and MCOM 1123.

MCOM 2501 - Radio Station Participation

Radio Station Participation requires the participation as an on-air announcer for the college radio station. A maximum of four credit hours may be earned toward a major or minor. Prerequisite(s): MCOM 2013 or COMM 2033. Enrollment open to Mass Communication majors only with sophomore or above standing.

MCOM 2511 - Television Station Participation

Television Station Participation requires participation in the student newscast and other forms of student media. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): ENG 1113, MCOM 1133 and MCOM 2033 and written permission of instructor required.

MCOM 2523 - Sportscasting

Sportscasting is a study of the unique qualities of sports broadcasting for radio and television, focusing on the audio and video complexities associated with broadcast presentation of sports. Students will perform the basics of video editing, audio editing, video photography and on-air performance. Prerequisite(s): MCOM 2013, MCOM 2443, and MCOM 2443L. Enrollment open to Mass Communication majors only with sophomore standing or above.

MCOM 2531 - Newspaper Participation

Newspaper Participation requires participation in multiple media formats for THE VISTA, the college newspaper. A maximum of 4 hours credit towards a major or minor may be earned. Prerequisite(s): ENG 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213) and permission of instructor. Sophomore standing or above.

MCOM 2543 - Digital Photography

Digital Photography is a study of the digital photographic medium and its applications in the world of news and commercial photography. Students receive instruction in digital photography and computer applications and produce professional level projects using current digital photo and computer equipment. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123. Enrollment open to Photographic Arts majors only.

MCOM 2553 - Strategic Communications Plan

Strategic Communications Planning is designed to provide an introduction to strategic planning and its role in the communications strategy for brands and organizations. Students will learn the fundamentals of the marketplace, current methods of consumer analysis, brand equity creation, brand relationship analysis, and brand communications responses in a variety of advertising (new and old) situations. Prerequisite(s): ENG 1113, (MCOM 1133 or 1173) and (MCOM 1183 or 2063). Enrollment is open to Mass Communication majors and minors, Technology Applications and Applied Liberal Arts majors only.

MCOM 2623 - Communication Theory

This course is an introduction to the field of communication including the studies of models and theories with attention given to major concepts that have formed historical and current communication theories.

MCOM 2713 - Media Participation

Media Participation requires participation in multiple forms of UCentral student media. Prerequisite(s): MCOM 1133, 1143, 2033 with sophomore standing or above. Enrollment open to Mass Communication majors only.

MCOM 2743 - Photojournalism

Photojournalism integrates basic photographic skills with professional lighting techniques, media writing and production methods to equip students to enter the field of photojournalism. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1123 MCOM 1133 and sophomore standing or above.

MCOM 3000 - Workshop in Mass Communication

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MCOM 3013 - Non-Linear Editing

Non-Linear Editing focuses specifically on essential video editing techniques. The course provides a dynamic range of video editing projects that will build the skills of students through the industry standard in video editing software. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and MCOM 2033.

MCOM 3023 - Radio Show Prep & Presentation

Radio Show Preparation and Presentation emphasizes knowledge and expertise required for the radio industry: voice and diction specific to broadcast announcing; exercises, projects and assignments related to commercials, news stories, narratives, weather reports, sports, and promotional pieces; and the development and performance of radio shows appropriate for broadcast/vodcast/podcast for traditional and nontraditional radio. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and MCOM 2013.

MCOM 3033 - Video News II

Video News II is the study of reporting, writing and editing news. Emphasis is on researching stories, the use of electronic news-gathering equipment, writing and reporting style, and on-air presentation of completed stories. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 2033 or MCOM 2443), and MCOM 2203.

MCOM 3053 - Persuasion & Social Influence

Persuasion and Social Influence investigates the theories, principles, and strategies of persuasion, social influence, and compliance gaining as applied to everyday contexts in which persuasive attempts take place, including interpersonal, organizational, and mass communication. Prerequisite(s): ENG 1113, ENG 1213, and (MCOM 1113 or COMM 1113). Enrollment open to Mass Communication, Technology Application Studies and Applied Liberal Arts majors and students minoring in Mass Communication- Communication and Public Discourse with junior standing or above only.

MCOM 3063 - History of Photo 1945-Present

History of Photography 1945 - Present examines the aesthetic, social, and sometimes technical development of photography in what is commonly referred to as the "Post-War" period during which time the medium is considered to have experienced its greatest changes and gained its most recognition as an art form. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113. Junior or senior standing.

MCOM 3073 - Relational Communication

Relational Communication examines communication behaviors in interpersonal relationships, including relationship development, maintenance, and dissolution. Specific emphasis is on application of theory and improvement of communication skills within personal relationships. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2053 with junior or senior standing.

MCOM 3083 - Intercultural Communication

Intercultural Communication identifies and delineates the communication skills needed for effective interaction in a global society, examines the relationship between communication and culture, and studies the general concepts of intercultural communication. Prerequisite(s): MCOM 1113 or MCOM 2023.

MCOM 3093 - Presentation Techniques

Presentation Techniques is designed to help students become confident and effective presenters in a variety of situations. This course focuses on writing, speaking, and delivery skills. Critical thinking and analytical skills are used to organize presentations, solve problems, and build arguments. Prerequisite(s): ENG 1113, ENG 1213, and (MCOM 1113 or COMM 1113) with junior or senior standing.

MCOM 3103 - Strategic Communication Case Studies

Strategic Communications Case Studies provides an in-depth look at the brand communications decision-making process. Students are prepared to make brand and advertising management decisions through a variety of fact-based case studies. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (MCOM 1133 or 1173), and (MCOM 1183 or MCOM 2063). Junior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies and Applied Liberal Arts students only.

MCOM 3113 - Nonverbal Communication

Nonverbal Communication provides an in-depth study of physical appearance, gesture and movement, facial expressions, eye contact, touch, use of time, and voice to communicate nonverbally in a variety of interpersonal relationships across personal, professional, public, and cultural contexts. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 or MCOM 2023. Junior or senior standing.

MCOM 3133 - Color Photography

Color Photography is designed to help students understand color production and theory as it applies to traditional and digital photography. It also presents a comprehensive procedure for control of color in photography from image capture to final output. Prerequisite(s): MCOM 1123, (MCOM 2143 or 3293 or concurrent enrollment in MCOM 2143 or 3293), and (MCOM 2543 or MCOM 3513) and junior or senior standing.

MCOM 3143 - Editing

Editing examines the theory and practice of editing copy and developing print and electronic news layouts. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133 and (MCOM 1143 or MCOM 2213).

MCOM 3153 - Interpersonal Communication Research

Interpersonal Communication Research introduces students to both quantitative and qualitative methods commonly used in communication research. Students will gain competence in research methods and participate in an academic research project from its inception to reporting the results. Prerequisite(s): ENG 1113, 1212, MCOM 1113 and MCOM 2623 with junior standing or above. Organizational Communication majors may not enroll in this course.

MCOM 3163 - Public Information Methods

Public Information Methods involves the study of communication tactics used by strategic communications practitioners with an emphasis on the development of writing and media relations skills. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (1133 or 1173), 2063, and 2193.

MCOM 3173 - Women's Rhetoric

This course is designed to cause an awareness and understanding of women's rhetoric. The objective of the course is to explore the ways in which women have made their voices heard throughout history. Prerequisite(s): ENG 1113 and 1213. Junior or senior status.

MCOM 3183 - Political Communication

Political Communication examines contemporary American politics through rhetorical and mass communication criteria and perspectives. Prerequisite(s): ENG 1113, ENG 1213 and (MCOM 1113 or COMM 1113). Enrollment open to Mass Communication, Applied Liberal Arts and Political Science majors and students minoring in Mass Communication-Advertising, Communication, Journalism and Public Discourse with junior standing or above only.

MCOM 3213 - Curating Photo Collections

Curating Photography Collections examines the role of the curator as it has changed in the 21st century. This class will study how curators interact with artists, collectors, museums, and corporate institutions. While the course will cover multiple aspects of curatorial practice addressing a variety of mediums, the focus will be on photographic collections. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113. Junior or senior standing.

MCOM 3233 - Gender, Race, Class and Media

Gender, Race, Class and the Media is the study of media representations of identity and of the critical cultural studies methods used to analyze the culture industry's representations of identities in primarily print, broadcast and entertainment media. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior standing or above.

MCOM 3243 - Video Field Production

Video Field Production is a study of various creative forms of storytelling concentrating on the production of feature stories. Students will incorporate the critical elements of videography, sound, editing, writing, directing, and producing to tell the most compelling stories possible across different media platforms. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and (MCOM 2033 or MCOM 2443).

MCOM 3273 - News Anchoring

News Anchoring addresses theories and practices of media news anchoring, including ethical decision-making while on the anchor desk. Students will develop professional attitudes and skills in media news communication. Attention is given to industry norms for appearance, clothing, interaction, and delivering news and information. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, and MCOM 2203.

MCOM 3283 - Advertising Design

Advertising Design is the study of the overall strategic creation of print advertising communication with emphasis on writing copy and designing layouts for media-specific applications. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, (MCOM 1133 or 1173) and MCOM 3333. Junior or senior standing.

MCOM 3293 - Photographic Lighting

Photographic Lighting emphasizes the qualitative aspects of light, both on location and in the studio, and the application of these qualities to the enhancement of photojournalism, commercial, portrait, and art photography. Prerequisite(s): MCOM 1123 and (MCOM 2543 or MCOM 3513) and sophomore standing or above.

MCOM 3313 - History of Journalism

History of Journalism examines the people and events that shaped the field of journalism and mass communication in the United States. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113. Junior or senior standing.

MCOM 3323 - Mass Media Effects on Society

This course examines mass media as an industry that shapes and is shaped by social, cultural, political, and economic forces by focusing on communication theories and research studies. Examples will include the effects of the media as related to our political system, children's programming, judicial system, talk shows, advertising, and new

technologies. Prerequisite(s): ENG 1113 and 1213. Enrollment open to Mass Communication majors only. Junior or senior standing.

MCOM 3333 - Specialized Publications

This course involves the study of design principles and layout with an emphasis on the software applications necessary to produce brochures, newsletters, fliers, direct mail pieces, annual reports and other publications. Prerequisite(s): MCOM 1133 or MCOM 1173 and junior or senior standing. Enrollment open to Mass Communication majors only.

MCOM 3363 - Documentary

Documentary will prepare students to create compelling documentaries by focusing on basic proposal writing, production, and post-production leading to the completion of technical assignments and a short documentary. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and MCOM 2033.

MCOM 3373 - Group & Team Communication

Group and Team Communication focuses on collective problem solving. Students experience the dynamics of joint decision-making such as a goal setting, forming role and leadership structures, coordinating agendas, and negotiating member relations. Students learn to value diversity as they draw upon group and team resources in creating innovative solutions and accomplishing group goals. Prerequisite(s): MCOM 1113 or 2023 with junior or senior standing.

MCOM 3393 - Leading Groups & Building Teams in Organizations

Leading Groups and Building Teams in Organizations examines how committees and task forces function in corporations. Attention is given to how the corporate environment impacts group processes and how groups and teams carry out organizational initiatives. The course addresses issues such as multiple group affiliations, leader-member relations, problem solving and decision making, and meeting management skills. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

MCOM 3403 - Corporate Video Production

Corporate Video Production is designed to create and produce various informational, promotional, and training videos for non-profit and for-profit companies and organizations. Students will work with professional clients to help identify a target audience and produce the appropriate media to meet the client's needs. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 2033 or MCOM 2443).

MCOM 3413 - Conflict and Communication

This course focuses on the nature and function of healthy and unhealthy communication conflict as applied to intrapersonal and interpersonal situations, families, organizations, cultures, and nations. Content incorporates theories of conflict and the application of effective conflict management. Prerequisite(s): Enrollment open to Mass Communication, Applied Liberal Arts and Family Life Education majors and students minoring in Mass Communication-Advertising, Communication and Journalism only. Junior standing or above.

MCOM 3423 - Communication and Gender

Communication and Gender is designed to investigate gender and communication issues in interpersonal, intercultural, and professional contexts. Prerequisite(s): ENG 1113, 1213, and MCOM 1113 with junior standing or above. Enrollment open to Mass Communication, Applied Liberal Arts and Technology Application Studies majors only.

MCOM 3443 - Media Mix Analysis

Media Mix Analysis is a study of various theories and strategies used in the planning, buying, and selling of media. The course provides an in-depth analysis of various media and their role in a strategic communications campaign. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (1133 or 1173), and (1183 or 2063) with junior standing or above.

Enrollment open to Mass Communication and Applied Liberal Arts majors only.

MCOM 3463 - Contemporary Chinese Art & Med

Contemporary Chinese Art, Media & Photography will explore developments that have occurred within the vibrant Chinese art scene in recent years that not only incorporate the production of art including painting, photography, and new media, but utilize social networks and new methods of promotion to illuminate trends in a rapidly changing Asian culture. Prerequisite(s): ENG 1113, ENG 1213, and MCOM 1113 with junior or senior standing.

MCOM 3503 - Broadcast Programming

Broadcast Programming is designed to examine and analyze programming strategies for television, cable, radio, and public broadcasting including audience analysis, program evaluation, program selection, and scheduling. Prerequisite(s): ENG 1113, 1213, MCOM 1133. Enrollment open to Mass Communication majors and students minor-ing in Mass Communication-Advertising and Journalism with junior standing or above only.

MCOM 3523 - Leadership Communication

Leadership Communication examines the relationships between effective communication and quality leadership in multiple contexts. Credit may not be earned for both MCOM 3523 and LEAD 3513. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 or MCOM 2023.

MCOM 3533 - Women and Leadership

Women and Leadership will critically examine historical and contemporary leadership challenges and opportunities facing women. A major focus of the center on strategies for change and success. This course is cross-listed with LEAD 3533 and credit may not be earned for both MCOM 3533 and LEAD 3533. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

MCOM 3543 - Sports Media Production

Sports Media Production will prepare students to produce sports features, stories, highlights, and webcasts for multiple sports. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033 and MCOM 3243.

MCOM 3613 - Organizational Communication Research

Organizational Communication Research provides an initial exposure to quantitative and qualitative studies of communication in organizational settings. Students are taught how to understand and evaluate the structure, language, and logic of published research articles. Hands-on experiences in research design provide background knowledge for conducting full-fledged studies of organizational communication. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, and MCOM 2623 with junior standing or above. Interpersonal Communication majors may not enroll in this course.

MCOM 3633 - Conflict & Negotiation in Organizations

Conflict and Negotiation in Organizations focuses on conflicts within corporations, non-profit organizations, and governmental agencies. Attention is given to how the organizational roles, power, and identities of group members influence conflict management processes. The course addresses competitive and collaborative negotiation methods and third-party interventions in mediating conflict. Students learn to de-escalate conflict and to avoid escalating conflict and its negative outcomes. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2153 with junior or senior standing.

MCOM 3643 - Communication in the Professions

Communication in the Professions examines how professional communicators such as physicians, attorneys, emergency call-takers, and journalists adjust their conversational skills to the demands of institutional interaction. Knowledge of medical consultations, courtroom interrogations, emergency telephone calls, and news interviews is applied

to the construction of training materials for prospective professional communicators. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

MCOM 3703 - Conceptual Photography

Conceptual Photography is an upper division course focused on executing photographs based on strong ideas or messages. Students will learn and practice good research and brainstorming techniques in order to form solid concepts for their work along with the methods for executing their ideas. Contemporaries in the field of conceptual photography will be presented along with its impact as a photographic genre. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, (MCOM 2223 or 3303), (MCOM 2543 or 3513), and (MCOM 3293 or 2143), and junior or senior standing.

MCOM 3713 - Broadcast News Producing

Broadcast News Producing is a study of the producing discipline as it relates to reporting, writing, newscast production, special projects, ethics, documentaries, and new media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, (MCOM 2033 or MCOM 2443), and MCOM 2203 and junior or senior standing. Enrollment open to Mass Communication-Broadcast and Mass Communication- Professional Media majors only.

MCOM 3723 - Advanced News Reporting

Advanced News Reporting focuses on gathering, writing, and evaluating the news through the assignment of on-campus and off-campus news beats. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, (MCOM 1143 or MCOM 2213).

MCOM 3753 - Nonfiction Cinematography

Nonfiction Cinematography will explore visual storytelling, focusing on image design techniques necessary for nonfiction studio and field production. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033 and MCOM 3363.

MCOM 3813 - Blogging for Journalists

Blogging for Journalists prepares students to understand, analyze and utilize the role and operation of Internet blogs in journalism culture and practice. The course gives students practical experiences in creating and maintaining a blog. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133 and junior or senior standing.

MCOM 3833 - Masculinity in the Media

Masculinity in the Media addresses how "normalized" representations of masculinity in television, film, advertising, movies, and sports pose dilemmas of identity for men and women. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and junior or senior standing.

MCOM 3843 - Street Gangs & the Media

Street Gangs and the Media examines the social construction of gangs through music, film, documentaries, and news stories. Students critically evaluate media representations of gangs against the lived experience of gang members in everyday life. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and junior or senior standing.

MCOM 3990 - Advanced Topics in Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 4013 - Corporate Training/Consulting

Corporate Training and Consulting examines communication training as a tool for employee development in organizations. The course covers consulting with clients to understand the needs of organizations and trainees. This course enables students to prepare and implement needs-based, communication workshops, seminars, and training programs for professional development. In addition to instructional design, the course focuses on methods of teaching communication skills to adult learners and how to conduct experimental activities. Ways of assessing

learning outcomes and evaluating training programs will also be covered. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 2153 and junior or senior standing.

MCOM 4023 - Nonfiction Sound Design

Nonfiction Sound Design will focus on sound design as a separate media form from visual storytelling. The course explores how sound creates meaning and successfully functions with the visuals of nonfiction multimedia productions. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, MCOM 3363, and MCOM 3753.

MCOM 4063 - Feature Writing

Feature Writing is a study of theory and practice of researching, writing and marketing the feature story for various media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1133, MCOM 1133 and (MCOM 1143 or MCOM 2213).

MCOM 4113 - Organizational Communication Capstone

Organizational Communication Capstone provides concentrated study of theories and concepts that explain communicative processes in organizational settings. Students apply selected concepts and theories to practical organizational issues such as developing leaders, making decisions, creating culture, training employees, managing change, embracing diversity, working in teams, and communicating via technology. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1173, MCOM 2063, MCOM 2153, MCOM 2193, MCOM 2553, MCOM 3093, MCOM 3103, MCOM 3633, and MCOM 4013. Senior standing.

MCOM 4133 - Media Management

Media Management is an in-depth study of the unique social, economic, legal and ethical problems with which media managers are confronted. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and (MCOM 1133 or MCOM 1173). Junior or senior standing.

MCOM 4143 - Investigative Reporting

Investigative Reporting focuses on gathering and writing news of substance and depth on public affairs with emphasis on complete investigation and evaluation of conflicting points of view and complex issues. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 1143 or MCOM 2213).

MCOM 4153 - Advanced Video Production

Advanced Video Production is designed to create and produce a variety of creative video projects that are intended to assist the student in developing captivating video portfolios of their work. The course will focus on directing, producing, editing, and writing while creating live music performances, public service announcements, commercials, promotional videos, and short films. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 2033 or MCOM 2443).

MCOM 4193 - Opinion, Reviews, & Criticism

Opinion, Reviews, and Criticism in the Media prepares students to research and express multiple types of editorial writing for various media. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, and (MCOM 1143 or MCOM 2213).

MCOM 4223 - History of the Black Press

A study covering the beginning and survival of black men and women instrumental in the founding of the black press from the time of slavery, and their experiences in fighting for freedom of expression, including the great migration, the World Wars and the Civil Rights Movement. Prerequisite(s): Junior standing or above.

MCOM 4233 - Family Communication

Family Communication examines communication phenomena in the setting of the family. The focus is upon how, through communication, people develop, maintain, enhance, or disturb family relationships. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2053 with junior or senior standing.

MCOM 4303 - Large Format Photography

Large Format Photography is focused on the use of large format cameras as a tool in image making. Advantages and disadvantages will be discussed as well as the proper use, techniques, and history of large format cameras. Prerequisite(s): MCOM 1123, MCOM 2223, (MCOM 3293 or MCOM 2143) and junior standing or above.

MCOM 4313 - Women in Media

Women in Media focuses on women as journalism professionals and as subjects of the media. With the backdrop of history, statistics and input from guest speakers, we will discuss past, current and possible future issues related to those two main areas. This course relies heavily on students' opinions in reaction to the readings and discussion.

MCOM 4323 - Social Documentation

Social Documentation is a concentrated documentation of an individual group or subgroup that records their unique or changing status in modern society. Through the use of journals, oral history, photography and/or video students will document the unique status of these groups or subgroups over a set period of time for analysis of the effect that they have on society. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1123, (MCOM 2543 or MCOM 3513), (MCOM 3293 or 2143) and SOC 2103. Junior or senior standing.

MCOM 4333 - Newsletter Design

Newsletter Design serves as an introduction to writing, editing and producing newsletters using the Macintosh computer and the software Microsoft Word 6.0 and QuarkXPress 3.3. The course is structured so that prior experience with the computers or the software is not necessary. The course is for anyone interested in learning more about newsletters—either as a hobby or a profession.

MCOM 4343 - Corporate Promotion

Corporate Promotion examines how corporations communicate with various external and internal constituencies. The focus is on how organizations define and position themselves as communicative entities. Attention is given to how corporations sustain and coordinate their media relations, governmental relations, investor relations, and employee relations. The course addresses issues of corporate culture, image, and identity. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113 and MCOM 2153. Junior or senior standing.

MCOM 4403 - Interviewing Practices

Interviewing Practices focuses on the role of communication in various interviewing processes. Course content provides participants with the information and skills necessary to effectively participate in and evaluate interviewing interactions. This course offers exposure to a wide range of interviews (persuasive, performance, recruiting, employment, survey, probing, counseling, and health care). Judicious integration of relevant communication theory comprises the underpinning for the applied aspects of interviewing—both for the interviewer and the interviewee. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

MCOM 4413 - TV Documentary Production

TV Documentary Production is a study of the field and functions of the full-length television documentary including the history of documentaries in broadcasting, scripting techniques, production design and video, audio and editing techniques used in documentaries. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, (MCOM 2033 or MCOM 2443/2443L) and MCOM 2203/2203L. Enrollment is open to Mass Communication majors only with senior standing.

MCOM 4423 - Media Ethics

Media Ethics is the study of the ethical issues currently confronting journalism and mass communication. Prerequisite(s): ENG 1113 and 1213. Enrollment is open to Mass Communication majors only. Junior or senior standing.

MCOM 4433 - Victims and the Media

Victims and the Media is an intensive study of the interpersonal and psychological effects of trauma on journalists and the people they interview. Special interest is given to identifying the symptoms of post-traumatic-stress-disorder and its impact upon journalists and victims of disasters. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133 and (MCOM 1143 or 2213) and junior or senior standing.

MCOM 4453 - Communication and Language

Communication and Language offers a systematic evaluation and scientific appraisal of the ways in which humans interact through language and other symbols. It attempts to describe and evaluate the relationships existing among thought, language, and behavior. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 3153 and senior standing.

MCOM 4503 - Advanced Publication Design

Advanced Publication Design builds on students' basic desktop publishing skills and knowledge of design principles. This course is structured so students spend most of their time learning more about page design software and working on long-term individual projects with assistance. Prior Adobe InDesign coursework or related experience is required. Prerequisite(s): MCOM 3143 or MCOM 3283 or MCOM 3333 or MCOM 4333 or permission of instructor. Enrollment open to Mass Communication majors with junior standing or above only.

MCOM 4513 - Advanced Commercial Photography

Advanced Commercial Photography is designed to give students problem solving experience in commercial and portrait photography. Advanced techniques in commercial photography are supplemented by working professional photographers along with field trips to photography studios for demonstrations of photographic techniques and facilities. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, and (MCOM 2223 or MCOM 3303), and (MCOM 2543 or MCOM 3513), and MCOM 3133 and (MCOM 3293 or MCOM 2143) with senior standing or above.

MCOM 4523 - Global Communication

This course will critically analyze global communication theory, research and other selected theoretical concepts as they apply to international and domestic media. The class will emphasize how conventional media sources impact society, governments and other media through the dissemination of information. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

MCOM 4533 - Health Communication & Promotion

Health Communication and Promotion examines health communication campaigns as corporate and community-based initiatives. Students engage in the study and use of effective, ethical approaches to sharing information and motivating audiences at the individual, organizational, and community levels concerning health-related issues and decisions. Prerequisite(s): ENG 1113, ENG 1213, (MCOM 1133 or 1173) and MCOM 2153. Junior or senior standing.

MCOM 4543 - Portrait & Wedding Photography

Portrait and Wedding Photography provides students with hands-on experience in the skills necessary to produce and market commercial portrait and wedding photographs. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, (MCOM 2543 or MCOM 3513), and (MCOM 3283 or MCOM 2143) and sophomore standing or above.

MCOM 4563 - Media Law

This course is a study of the legal rights and restrictions with the resulting duties and responsibilities related to the media. Prerequisite(s): ENG 1113 and 1213. Enrollment open to Mass Communication majors only. Junior or senior standing.

MCOM 4593 - Advanced Documentary

Advanced Documentary will produce socially and culturally conscious documentaries that express an interesting story by focusing on the following elements: principles, history, and ethics of documentary filmmaking; aesthetic and technical directing and producing strategies; and working tools to plan and tell stories creatively, collaboratively, artistically and professionally. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1133, MCOM 2033, MCOM 3363, MCOM 3753, and MCOM 4023.

MCOM 4613 - Advanced Organizational Communication Research

Advanced Organizational Communication Research provides experiences in conducting original studies in organizational communication. Students learn how to write literature reviews, to formulate testable hypotheses and research questions, and to select appropriate research designs. They gain experiences in collecting and analyzing quantitative and qualitative data. Students learn how data informs critical thinking and organizational decision-making. Prerequisite(s): ENG 1113, 1213, MCOM 1113, 2623 and 3613 with junior standing or above. Enrollment open to Organizational Communication majors only.

MCOM 4623 - Gays & Lesbians in Film/Media

This course examines representations of gays and lesbians from the development of an alternative gay and lesbian cinema movement to the mainstreaming of gay and lesbian people in television and in film. The course will analyze the problematic cultural production of a gay-lesbian identity from different historical periods. Attention will also be given to the formation of the USA and early German homophile movements and their impact on cultural representations of gays and lesbians in the mass media. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

MCOM 4633 - Race, Violence, Youth, & Media

Race, Violence, Youth and the Media will critically examine various mass media representations and coding of contemporary youth subcultural formations in the U.S.A. Prerequisite(s): ENG 1113, 1213, and MCOM 1113 with junior standing or above.

MCOM 4643 - Photography Portfolio

Photography Portfolio is a capstone course focused on the continued development and refinement of students' individual photographic style to prepare them to pursue professional opportunities. Students will create a series of photographic images, learn how to present these images, and professionally promote the work through writing, speaking, website development, and photographic organizations. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1123, MCOM 1133, (MCOM 2223 or MCOM 3303), (MCOM 2543 or MCOM 3513), (MCOM 2743 or MCOM 3343), MCOM 3133, (MCOM 3293 or MCOM 2143), and MCOM 3703. Senior standing or above.

MCOM 4663 - Digital & Social Communication

Digital and Social Communications provides an in-depth knowledge of new digital and social media and how to integrate websites, social networking, blogs, and other forms of digital and social media into a brand communication campaign. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (1133 or 1173), (1183 or 2063), and 4383. Senior standing or above. Enrollment open to Mass Communication majors and minors, Technology Application Studies and Applied Liberal Arts.

MCOM 4673 - Sibling Communication

Sibling Communication introduces students to concepts, theories, and principles of sibling communication, with an emphasis on the role of messages in sibling communication processes. This course focuses on the unique relationship of siblings and how communication impacts and frames those relationships. Issues such as sibling rivalry, sibling revelry, birth order, relational closeness, proximity, frequency of contact, parental ties, social support, sex roles, blended families, and the

sibling paradox are examined. A lifespan communication perspective is applied to the sibling relationship as brothers and sisters progress through the stages of childhood, adolescence, younger adulthood, and older adulthood. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

MCOM 4733 - Communication and Religion

Communication and Religion examines communication in a variety of contexts associated with the dissemination of religion-based human messages: face to face, one to many, in print, as well as in mediated venues. Prerequisite(s): ENG 1113, 1213, MCOM 1113, and at least six additional MCOM hours with senior standing or above.

MCOM 4743 - Couples Communication

Couples Communication examines the importance of everyday communication between friends, romantic partners, family members, and co-workers. Emphasis is on application of theory and improvement of dyadic communication skills. Prerequisite(s): ENG 1113, 1213, MCOM 1113, and at least six MCOM hours with senior standing or above.

MCOM 4753 - Intergenerational Communication

Intergenerational Communication addresses central theories of aging and communication as well as attitudes about aging and interpersonal communication (ageist attitudes, stereotypes of particular age groups, and age group identities), media representations of aging (mediated stereotypes; media uses and effects), and cultural variations in the meaning of aging. Prerequisite(s): ENG 1113, 1213, MCOM 1113, and at least six additional MCOM hours with senior standing or above.

MCOM 4763 - Communication & Reality TV

Communication and Reality TV is a study of interpersonal communication theory as exhibited in reality television. Reality television offers a unique arena in which to study and analyze interpersonal relationships. Reality television shows cast relatively diverse groups with the intention of observing and documenting the resulting conflict or harmony. Prerequisite(s): ENG 1113, 1213, MCOM 1113, and at least six MCOM hours with senior standing or above.

MCOM 4773 - The Dark Side of Relationships

The Dark Side of Relationships is a study of how individuals deal with the darker sides of interpersonal communication and close relationships. Topics include messages that hurt, fatal attraction, losing, leaving and letting go, relational transgressions, deception, jealousy and envy, and social predicaments. Prerequisite(s): ENG 1113, 1213, MCOM 1113, and six additional MCOM hours with senior standing or above.

MCOM 4823 - Mediation

Mediation emphasizes the role of communication in third-party interventions in resolving conflicts. As a distinct form of alternative dispute resolution, mediation is differentiated theoretically and empirically from arbitration and litigation. Mock mediation sessions provide students with opportunities to develop skills and insights as disputants and mediators. Prerequisite(s): ENG 1113, ENG 1213 and MCOM 1113 with junior or senior standing.

MCOM 4863 - Media Research

This course is the applied study of research methods used in the fields of advertising, broadcasting, journalism, and public relations to identify target audiences; gain audience feedback; diagnose problems; determine appropriate communication tools and channels; pre-test materials, messages and strategies; monitor public opinion; and evaluate program success. Prerequisite(s): Senior standing. Enrollment open to Mass Communication majors only.

MCOM 4873 - Professional Media Capstone

The Professional Media Capstone will focus on refining previous professional media learning, practicing effective job seeking/interviewing skills, networking with media professionals, improving social media skills, working in UCentral student media and/or local media,

and developing a professional portfolio. Prerequisite(s): ENG 1113, ENG 1213, MCOM 1113, MCOM 1103, MCOM 1133, MCOM 2033, MCOM 2203, (MCOM 2213 or 1143), MCOM 3143, MCOM 3243, and (MCOM 3033 or MCOM 4153). Senior standing.

MCOM 4883 - Strategic Communication Campaigns

Strategic Communications Campaigns is a study of various elements involved in the production of a campaign from inception to conclusion. Students research, create, produce, execute, and evaluate a number of campaigns for real clients for all media. Prerequisite(s): ENG 1113, 1213, MCOM 1113, (MCOM 1183 or 2063), 2193, 2553, 2643, 3103, 3163, 3333, and 3443. Senior standing or above.

MCOM 4900 - Practicum In Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 4910 - Seminar in Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 4920 - Workshop in Mass Communication

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MCOM 4930 - Individual Study In Mass Communication

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MCOM 4940 - Field Study in Mass Communication

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MCOM 4950 - Internship In Mass Communication

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MCOM 4960 - Institute In Mass Communication

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MCOM 4970 - Study Tour In Mass Communication

Credit will vary. Subject matter will vary within the department's field of study.

MANAGEMENT (MGMT)

Department of Management

MGMT 1222 - PGM Introduction

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Introduction to PGA PGM, PGA History and Constitution, and Rules of Golf courses of the PGA PGM 2.0 Qualifying Level curriculum. Students will be prepared to test for knowledge on the PGA's computer based Qualifying Level exam. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1233 - Tournaments and Fleet Management

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Tournament Operations and Golf Car Fleet Management of the PGA PGM 2.0 Level 1 curriculum. Students will complete PGM 2.0 Level 1 work experience activities and be prepared to test for knowledge on the PGA's computer based Tournament Operations and Golf Car Fleet Management exams. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1322 - Introduction to Teaching Golf

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Introduction to Teaching Golf and Golf Club Performance course of the PGM 2.0 Level 1 curriculum. Students will complete PGM 2.0 Level 1 work experience activities and be prepared to test for knowledge on the PGA's computer based Introduction to Teaching and Golf Club Performance exam. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1333 - Introduction To Golf Course Operation

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Business Planning, and Customer Relations courses of the PGM 2.0 Level 1 curriculum. Students will complete PGM 2.0 Level 1 work experience activities and be prepared to test for knowledge on the PGA's computer based Business Planning, and Customer Relations exams. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1422 - Golf Operations 1

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Golf Operations course of the PGM 2.0 Level 2 curriculum. Students will complete PGM 2.0 Level 2 work experience activities and be prepared to test for knowledge on the PGA's computer based Golf Operations exam. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1432 - Intermediate Teaching Golf

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Intermediate Teaching and Golf Club Alteration course of the PGM 2.0 Level 2 curriculum. Students will complete PGM 2.0 Level 2 work experience activities and be prepared to test for knowledge on the PGA's computer based Intermediate Teaching and Golf Club Alteration exam. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 1522 - Merchandising & Inventory Management

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Merchandising and Inventory Management course of the PGM 2.0 Level 2 curriculum. Students will complete PGM 2.0 Level 2 work experience activities and be prepared to test for knowledge on the PGA's computer based Merchandising and Inventory Management exam. Departmental permission required. Prerequisite(s): MGMT 1422. Enrollment open to PGM majors only.

MGMT 1532 - Advanced Teaching & Player Development

The purpose of this course is to provide PGA Golf Management students with knowledge, theory, and application of the fundamental concepts in golf operations and management. The course is designed to cover the Advanced Teaching and Golf Club Fitting, Player Development & Teaching Business, and Career Enhancement courses of the PGM 2.0 Level 3 curriculum. Students will complete PGM 2.0 Level 3 work experience activities and be prepared to test for knowledge on the PGA's computer based Advanced Teaching and Golf Club Fitting, Player Development & Teaching Business, and Career Enhancement exams. Departmental permission required. Prerequisite(s): Enrollment open to PGM majors only.

MGMT 2000 - Topics In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MGMT 3103 - Principles of Management

This course offers an essential introduction to management. Concepts of study include the basic tenets of managing, planning, leading, and controlling. The course will cover other essential areas of management including ethics and human resource management. Prerequisite(s): All business majors: MATH 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2103, and ECON 2203 must all be completed with a minimum "C" grade and junior or senior standing. Non business majors must seek departmental or academic advisor permission.

MGMT 3143 - Labor Relations Management

A study of problems affecting management and labor; principles and techniques of collective bargaining; types of union agreement; federal and state labor laws; administrative regulations and requirements; and current trends in management-labor relations. Prerequisite(s): MGMT 3103.

MGMT 3313 - Human Resource Management

This course is designed to acquaint the student with modern methods of selection, testing, training and solving various personnel problems. It is designed to give the student a knowledge and understanding of how to manage personnel effectively. Prerequisite(s): MGMT 3103.

MGMT 3373 - Current Issues: Human Resource Management by Film

This course focuses on current issues in the workplace involving human resource management. Topics include diversity, staffing, compliance, compensation, employee development, management, safety, and leadership. This course is intended to challenge students' views on various workplace issues, provide training on modern issues, and assist in the transformative experience. Prerequisite(s): MGMT 3103 and 3313.

MGMT 3383 - Human Resource Information Systems/Metrics

This course provides students with practical computer system skills used by human resource managers to manage personnel data and generate key reports needed by senior leaders, OFCCP, OSHA, and benefits management. Furthermore, this course integrates a variety of HR Metrics that are used for measuring employee and organizational performance. Students will also have the opportunity to become certified users of an HRIS system (e.g., PeopleTrak). Prerequisite(s): MGMT 3313 or concurrent enrollment.

MGMT 3413 - Legal Environment Human Resource Compliance

This course focuses on Human Resource program and policy compliance as it relates to employment law, such as equal employment opportunity, state and federal legislation, state and federal enforcement agencies, affirmative action plans, court ordered remedies, and employee assistance programs as related to Human Resource Management. This course also prepares students for student professional certification examinations. Prerequisite(s): MGMT 3103, 3313 and Junior standing or above.

MGMT 3990 - Advanced Topics In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 4033 - Starting Your Own Business

A course focusing on the experiences and problems faced by those who go into business for themselves and successful solutions achieved by representative business. Prerequisite(s): MGMT 3203 or concurrent enrollment in MGMT 3203.

MGMT 4123 - Consulting In The Real Environment

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MGMT 4123, MRKT 4123. Prerequisite(s): open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

MGMT 4203 - Organizational Behavior

This course offers an in depth examination into components and processes of an organization from a behavioral science perspective. This course offers insight as to what increases work performance and organizational commitment. Concepts of study include how to work effectively in teams, work motivation, leadership, job satisfaction and organizational culture. Prerequisite(s): MGMT 3103 and BCOM 3143.

MGMT 4213 - Management Theory

This upper level course explores the historical evolution of management theory and practice. Students will apply the course content through live case studies, service learning projects, or other forms of field research. Prerequisite(s): MGMT 3103, 3313 and junior standing or above.

MGMT 4253 - International Management

This course is a study of the management of organizations in international markets, both domestic and multinational enterprises. Organizational behavior, management theories, and philosophies are discussed in light of prevailing economic, political and cultural world environments. Prerequisite(s): MGMT 3103.

MGMT 4263 - Small Business Management

Problems of organizing and managing an individually owned business including location, securing capital, records, personnel, and sales promotion. Prerequisite(s): MGMT 3103.

MGMT 4423 - Human Resource Training and Development

This course focuses on the ethical and legal compliance aspects of developing training programs for profit and nonprofit organizations. Emphasis is placed on the administration of human resource training departments, the determination of costs and benefits of training plans and the application of computer technology in the delivery of training and developmental programs. Prerequisite(s): MGMT 3103 and 3313.

MGMT 4483 - Intercultural Talent Management

This course offers students an improved method to view and address diversity in corporations. It presents an approach that focuses on inclusion rather than the more traditional differences and applies the paradigm and methodology of intercultural competencies to allow transnational organizations to leverage diversity as an asset. The course outlines Human Resource Management responsibilities in supporting the strategic direction of transnational firms through mergers and acquisitions by customizing human resource practices and policies. Students will learn by structured experiential learning activities, through case studies and invited guest speakers. This course will provide HR students with the necessary body of knowledge to prepare for professional certification examinations. Prerequisite(s): MGMT 3313.

MGMT 4503 - Recruitment and Selection

This course is an in-depth study of the process of personnel selection and placement (i.e., staffing). Emphasis is placed on the understanding and application of the staffing process, including job analysis, recruitment, designing selection procedures, and measuring job performance.

Practical application of acquired skills is stressed. Prerequisite(s): MGMT 3313.

MGMT 4513 - Strategic Compensation Systems

This course examines the strategic choices involved in establishing and maintaining ethical, legal and competitive compensation systems and employee benefit programs. It also offers students the skills with which to establish and maintain personnel records and forms in compliance with the law. In addition, it provides knowledge needed for student professional certification examinations. Prerequisite(s): MGMT 3103 and 3313.

MGMT 4623 - The Art of Leadership

This course is designed to acquaint students with current issues affecting organizational leaders. It will include topics such as strategic planning, diversity, and legal and financial issues impacting organizations. Prerequisite(s): MGMT 3103 with minimum grade of "C" and senior standing or above.

MGMT 4813 - Strategic Management

This course serves as the capstone for the business core curriculum and as such, its purpose is to provide a practical forum for students to integrate and apply the knowledge and skills that they have gained from all previous business courses. Students will learn to think strategically as they develop comprehensive solutions to current business problems. A graded college level assessment may be included in this course at the discretion of the Dean's office. Prerequisite(s): ECON 2103, MATH 1453, MATH 2053, ACCT 2113, ACCT 2133, ECON 2173, ECON 2203, MRKT 3013, MGMT 3103, LS 3113, BCOM 3143, ISOM 3263, ISOM 3313, and FIN 3563; and one of the following: ECON 4103, MGMT 4253, FIN 4273, ECON 4403, MRKT 4413, LS 4533, or ECON 4603 and senior standing.

MGMT 4900 - Practicum In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 4910 - Seminar In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 4920 - Workshop In Management

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MGMT 4930 - Individual Study In Management

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MGMT 4950 - Internship In Management

Credit will vary from 1 to 8 hours.

MGMT 4960 - Institute In Management

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MGMT 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

**MILITARY SCIENCE (MLSC)
Department of Military Science**

MLSC 1011 - Basic Leadership Lab I Fall

Basic Leadership Lab I Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Basic Military Science I Fall. Students are organized

into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. This course is scheduled to meet eight (8) times during the semester for two hours and forty-five minutes per session. Concurrent enrollment in MLSC 1101 is recommended.

MLSC 1031 - Basic Leadership Lab I Spring

Basic Leadership Lab I Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principals from Basic Military Science I Spring. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. This course is scheduled to meet eight (8) times during the semester for two hours and forty-five minutes per session. Concurrent enrollment in MLSC 1132 is recommended.

MLSC 1102 - Basic Military Science I Fall

This is an introductory course open to all students without military obligation. It focuses on the military as a profession and examines its organization, ethics and values. The course explores the responsibilities and impact of leadership and the rules, customs and traditions of military service. Students are introduced to the fundamentals of land navigation, physical fitness, drill and ceremonies, first aid and public speaking. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

MLSC 1132 - Basic Military Science I Spring

This course is open to all students without military obligation. This is a continuation of MLSC 1102 and continues to build a knowledge base of soldier skills with an emphasis on military writing, fundamentals of leadership, marksmanship and basic first aid. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

MLSC 2000 - Topics In Military Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MLSC 2011 - Basic Leadership Lab II Fall

Basic Leadership Lab II Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principals from Basic Military Science II Fall. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. Concurrent enrollment in MLSC 2202 is recommended.

MLSC 2021 - Basic Leadership Lab II Spring

Basic Leadership Lab II Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principals from Basic Military Science II Spring. Students are organized into squads and will practice military skills such as drill and ceremonies, land navigation, orienteering, marksmanship, communications and physical fitness. Concurrent enrollment in MLSC 2252 is recommended.

MLSC 2202 - Basic Military Science II Fall

This course is open to all students without military obligation. The course teaches skills necessary for successful leadership and management. The emphasis is on historical examples of military leadership and management principles. Development of counseling techniques, problem solving, and the proper use of the chain of command are explained through class discussion and case studies. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

MLSC 2252 - Basic Military Science II Spring

This course is open to all students without military obligation. This course is a continuation of the study of necessary leadership skills. It emphasizes small group management and superior/subordinate relationships. Other topics include an introduction to Army branches,

navigation using map and compass, physical readiness, injury prevention, and first aid. Concurrent enrollment in MLSC 2000 (Lab) is recommended.

MLSC 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MLSC 3011 - Advanced Leadership Lab III Fall

Advanced Leadership Lab III Fall provides practical experience within the setting of a military organization to develop discipline and team work. Students are provided with an intensive program of military and leadership skills enhancement and assessment in preparation for attendance of the ROTC Leadership Development and Assessment Course (LDAC). Students will be evaluated by cadre in leadership positions demonstrating their ability to plan and execute training by applying lessons learned in Advanced Military Science III Fall. Prerequisite(s): Concurrent enrollment in MLSC 3103 required.

MLSC 3021 - Advanced Leadership Lab III Spring

Advanced Leadership Lab III Spring provides practical experience within the setting of a military organization to develop discipline and team work. Students are provided with an intensive program of military and leadership skills enhancement and assessment in preparation for attendance of the ROTC Leadership Development and Assessment Course (LDAC). Students will be evaluated by cadre in leadership positions demonstrating their ability to plan and execute training by applying lessons learned in Advanced Military Science III Spring. Prerequisite(s): Concurrent enrollment in MLSC 3153 required.

MLSC 3103 - Advanced Military Science III Fall

This course expands and refines the leader development process. This is an intensive program to prepare cadets for tasks, skills and responsibilities associated with Leader Development and Assessment Course (LDAC). Cadets are trained and evaluated on the full range of leadership skills and attributes. Written and oral communication skills, motivational behavior, interpersonal skills, administrative procedures, decision-making and military field skills are emphasized. One weekend Field Training Exercise (FTX) is required in the Fall semester. Army Physical Training Program is required for all contracted cadets and highly encouraged for non-contracted cadets. Prerequisite(s): Written permission of instructor and concurrent enrollment in MLSC 3011 (Lab).

MLSC 3153 - Advanced Military Science III Spring

This course expands on the skills introduced in MLSC 3103 and incorporates increasingly challenging situations involving military technical, tactical and leadership skills. Advanced training in marksmanship and physical fitness is emphasized. The course culminates with a field training exercise where students are placed in simulated combat situations and evaluated on performance. The course is designed to bring cadets to peak proficiency in physical conditioning and leadership ability. One weekend Field Training Exercise (FTX) is required in the Spring semester. Army Physical Training Program is required for all contracted cadets and highly encouraged for non-contracted cadets. Prerequisite(s): Written permission of instructor and concurrent enrollment in MLSC 3021 (Lab).

MLSC 3990 - Adv Topics in Military Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MLSC 4011 - Advanced Leadership Lab IV Fall

Advanced Leadership Lab IV Fall provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Advanced Military Science IV Fall and to plan and

instruct military skills such as drill and ceremonies, marksmanship, communications and physical fitness. Advanced Course cadets supervise students in the Basic Course and are responsible for basic course training, logistics and function as officers within the cadet battalion under cadre supervision. Prerequisite(s): Concurrent enrollment in MLSC 4103 required.

MLSC 4021 - Advanced Leadership Lab IV Spring

Advanced Leadership Lab IV Spring provides practical experience within the setting of a military organization to develop discipline and team work. The course provides opportunities to apply learned leadership principles from Advanced Military Science IV Spring and to plan and instruct military skills such as drill and ceremonies, marksmanship, communications and physical fitness. Advanced Course cadets supervise students in the Basic Course and are responsible for basic course training, logistics and function as officers within the cadet battalion under cadre supervision. Prerequisite(s): Concurrent enrollment in MLSC 4113 required.

MLSC 4103 - Advanced Military Science IV Fall

This course teaches leadership, technical, and tactical skills. Participants conduct practical exercises and perform a variety of written and oral presentations. Students are assigned cadet command and staff positions and will learn their roles through discussions on command and staff management in military organizations, executive responsibilities of the Army and its officers. They plan and supervise activities from a middle manager level. They study combat leadership as well as administration, training, logistics allocation, military justice, and management concepts. Prerequisite(s): MLSC 3103, 3153, written permission of instructor and concurrent enrollment in MLSC 4011 (Lab).

MLSC 4113 - Advanced Military Science IV Spring

This course completes the sequence of ROTC courses and culminates with detailed, professionally written documents, synchronized training activities and project management. This course requires teaching, assessing, planning, organizing, resourcing, and executing a number of training activities. Participation in MLSC 2000 Leadership Laboratory, a Staff Ride and one weekend Field Training Exercise (FTX) is required in the Spring semester. Prerequisite(s): MLSC 3103, 3153, written permission of instructor, concurrent enrollment in MLSC 4021 (Lab) and senior standing.

MLSC 4900 - Practicum

Subject matter will vary within the department's field of study.

MLSC 4910 - Seminar In Military Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MLSC 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MLSC 4960 - Institute In Military Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MUSIC PERFORMANCE (MPER)

School of Music

MPER 1000 - Applied Music

This course provides the student with college entry level study in the major applied area. Lesson content will include but not be limited to such factors as technique, physiological concerns, and musical interpretation. Instructional materials will include materials such as exercises, and etude literature, along with solo and collaborative repertoire. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as studio or repertoire

class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours.

MPER 1121 - Keyboard Sight Reading

The purpose of this course is to develop in students a fluency in the essential professional skill of sight reading music for immediate content recognition. The course heavily emphasizes reading exercises under the guidance of the instructor from a variety of musical scores from different stylistic periods, with which the student will have had little or not previous experience. This course may be taken two times for credit.

MPER 1232 - Class Guitar

This is an introductory, yet accelerated course designed for guitarists who lack formal training in popular accompaniment. The class explores accompaniment techniques (finger-style, strumming, damping and percussive devices, etc). In addition to technique, this course covers scale-chord theory and application, fretboard logic, and how to read/interpret the various contemporary guitar notation systems.

MPER 1521 - Collaborative Piano I

This course serves as an introduction to the art of collaboration with instrumentalists and singers. Repertoire will be selected from beginning-level lieder, art song, orchestral reductions, and instrumental solos. Weekly performances with student instrumentalists or singers will be critiqued and coached by colleagues and the instructor.

MPER 2000 - Applied Music

This course builds upon the foundational study received in MPER 1000, developing more advanced levels of technique and interpretation. Study materials will typically confront the student with and require the development of independent evaluative and interpretative skills. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours.

MPER 2041 - Applied Jazz Improvisation I

This course provides the student with beginning level study in jazz improvisation. Lesson content will include but not be limited to such factors as diatonic harmony, scale modes, techniques, physiological concerns, and musical interpretation. Instructional materials will include materials such as scale patterns and fake-book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MUS 1522

MPER 2101 - Edmond Community Chorale

This course is a town and gown chorale ensemble emphasizing the study and performance of major works from all periods of music, with and without orchestral accompaniment. Prerequisite(s): Ability to match pitch and written permission of instructor.

MPER 2111 - University Choir

University Choir provides an opportunity for musically talented UCO students to develop their vocal talents rehearsing and performing a wide variety of choral music. The group will perform a minimum of two on-campus performances during the semester.

MPER 2141 - Cantilena

Cantilena is a vocal ensemble for the Soprano/Alto singer. It is open to all qualified students, regardless of major, by audition.

MPER 2181 - Chamber Choir

The Chamber Choir performs advanced choral literature which is intended for smaller vocal ensembles. This includes, but is not limited to, Renaissance madrigals, motets, 20th century works, contemporary

arrangements and vocal jazz. This ensemble performs for choral concerts and local events.

MPER 2231 - Guitar Ensemble

Guitar ensemble is a course offering students the opportunity to perform with other guitarists in the following settings: duets, trios, quartets, guitar orchestra, and in these settings with other instruments. Students learn how to play as part of an ensemble while improving sight-reading proficiency, technique, tone and timbre. This course may be taken up to eight times for credit.

MPER 2281 - Marching Band

Band.

MPER 2291 - Wind Symphony

The Wind Symphony is the premier performing ensemble in the band division of the UCO School of Music. The ensemble prepares and performs music for concerts on and off campus, tours, and other activities throughout the fall and spring semesters. Prerequisite(s): Audition for the conductor and selected wind and percussion faculty.

MPER 2381 - Symphonic Band

The Symphonic Band is open, by audition, to any instrumentalist in the university community as a way to expand their musical and aesthetic horizons. The group seeks to broaden performance and teaching skills through the programming of interesting, exciting and challenging band repertoire.

MPER 2391 - Orchestra

Orchestra.

MPER 2421 - Orchestra Wind Study

This course provides students with a coached experience in orchestral wind performance. The course emphasizes full participation in a symphonic orchestra that reflects actual professional experience. Students will develop the skills necessary to interpret and perform orchestral literature from the standard repertoire. This course may be taken eight (8) times for credit.

MPER 2461 - Cantare

Cantare is an ensemble for the Tenor/Bass singer. It is open to all qualified students, regardless of major, by audition.

MPER 2511 - Broadway Singing Techniques

This course is designed to develop the skill with which the student uses his/her voice in the singing styles of Broadway Musical Theatre. Prerequisite(s): Two semesters of MPER 1002 (Applied Voice) with a minimum grade of "C". Sophomore standing or above.

MPER 2521 - Collaborative Piano II

This course is an introduction to the study of collaborative piano. Students will continue sight-reading and surveying vocal and instrumental collaborative repertoire selected from intermediate level lieder, art song, orchestral reductions, and instrumental solos. Weekly performances with student instrumentalists or singers will be critiqued and coached by colleagues and the instructor. Prerequisite(s): MPER 1521.

MPER 2731 - Class Piano I

This is the first in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. These courses are required of all non-piano music majors and minors. Primary chords harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): Concurrent enrollment in MUS 1151 and 1143 is required.

MPER 2781 - Piano Ensemble

This course is designed for piano majors or students with equivalent proficiency. It will provide solo performers the opportunity for ensemble playing experience. Areas of concentration will be piano duet

literature, two-piano and four-hand piano literature, chamber ensemble with piano, and multiple score reading. Prerequisite(s): Permission from instructor is required and sophomore standing or above.

MPER 2831 - Class Piano II

This is the second in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. All diatonic harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731.

MPER 2931 - Class Piano III

This is the third in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. Chromatic harmony is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731, 2831.

MPER 2941 - Class Piano IV

This is the fourth in a sequence of four courses designed to develop technical, sight-reading, harmonization, and transposition skills. This course is required of all non-piano music majors and minors. Harmonic modulation is applied at the piano to enhance piano performance and functional skills. Prerequisite(s): MPER 2731, 2831, 2931.

MPER 2971 - Keyboard Functional Skills

This course teaches the application of music theory and harmony at the piano. It provides opportunities for students to develop harmonization, transposition, sight-reading, fundamentals of figured bass realization, and other skills needed to function as keyboard instrument players. Prerequisite(s): Three (3) semester hours of applied piano (MPER 1000; MPER 2000 with a minimum grade of "B"). Sophomore standing or above.

MPER 3000 - Workshop in Music Performance

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MPER 3020 - Applied Music

This course continues to build on the technical and interpretative skills of MPER 2000, particularly continuing the development of individual self-evaluation and assessment in these areas but now also beginning to apply these skills to the formulation of pedagogical method. The student will continue to explore more advanced levels of the appropriate study and performance literature. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1-3 hours. Prerequisite(s): MUS 2000 and administrative authorization required.

MPER 3041 - Applied Jazz Improvisation II

This course continues to build upon the material studied in MPER 2041. Lesson content will include but not be limited to such factors as major and minor diatonic harmony, scale modes, techniques, physiological concerns, song form, blues and musical interpretation. Instructional materials will include materials such as major and minor scale patterns and fake book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MPER 2041 and sophomore standing or above.

MPER 3111 - Concert Chorale

This course is a vocal ensemble emphasizing the study and performance of compositions from all periods of time. Prerequisite(s): Written permission of instructor.

MPER 3131 - Musical Theatre Performance

In this course students will apply specific musical theatre skills in a professional level context of performance. This course may be taken 10 times for credit.

MPER 3181 - UCO Chamber Orchestra

The UCO chamber orchestra offers advanced students the opportunity to perform orchestral works of the 17th and 18th centuries in a chamber setting, working without a conductor. Prerequisite(s): Written permission required.

MPER 3341 - Jazz Ensemble

UCO Jazz Ensembles provide students with technical guidance in ensemble and solo performance while also exposing them to the wide range of styles necessary to perform jazz and commercial music on a professional level.

MPER 3711 - Brass Chamber Music

This ensemble focuses on brass instruments and the rehearsal and performance of brass literature of various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

MPER 3721 - Percussion Ensemble

This course will provide opportunities for the percussionist to perform compositions written exclusively for "percussion." Concurrent enrollment in percussion class or applied percussion.

MPER 3731 - Woodwind Chamber Music

This ensemble focuses on woodwind instruments and the rehearsal and performance of woodwind literature of various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

MPER 3741 - String Chamber Music

This ensemble focuses on stringed instruments and the rehearsal and performance of string literature in various styles. Prerequisite(s): Concurrent enrollment in applied study. Junior or senior standing.

MPER 3811 - Junior Recital

This course is a public recital performance at the junior level. Prerequisite(s): Junior standing.

MPER 3990 - Advanced Topics In Music Performance

Credit will vary from 1 to 3 hours. Subject matter will vary within the department's field of study.

MPER 4000 - Applied Music

This course continues the more advanced study of the applied area initiated particularly in MPER 3000. The goal of the course is to provide the student with the necessary technical and analytical skills to operate at an entry level as an independent professional in the areas of performance and pedagogy. The student will be presented with intellectual, interpretative and technical demands that require more sophisticated and independent analysis and greater individual creativity. Study material will consist of technical and performance repertoire typical of a practicing professional. The exact course content and materials will vary according to the specific applied area and the instructor's assessment of the student's individual developmental needs. Additional requirements such as studio or repertoire class, etc. may be required at the discretion of the individual instructor. Credit will vary from 1 to 3 hours.

MPER 4041 - Applied Jazz Improvisation III

This course continues to build upon the material studied in MPER 3041. Lesson content will include but not be limited to such factors as major, minor, diminished, and melodic minor diatonic harmony, scale

modes, technique, physiological concerns, song form, blues and musical interpretation. Instructional materials will include materials such as major, minor and melodic minor scale patterns and fake book sheets. The exact course content will vary according to the specific applied area and the instructor's assessment of the student's developmental stage and needs. Additional requirements such as jazz ensemble or jazz combo class may be required at the discretion of the individual instructor. Prerequisite(s): MPER 3041 and junior or senior standing.

MPER 4052 - Applied Historical Instruments

This course is the applied study of a specific historical instrument and the technique and performance practice appropriate to that instrument, its period and literature. This study requires an advanced level of both general musical knowledge and specific skill in performance on the student's major applied instrument.

MPER 4221 - Jazz Combo

Jazz Combo is a highly specialized small ensemble experience for the advanced undergraduate jazz studies student. Auditions will take place at the beginning of each semester at the UCO Jazz Lab. This course may be taken six (6) times for credit. Prerequisite(s): MUS 1522.

MPER 4521 - Collaborative Piano III

This course is third in a series of three courses designed to build collaborative piano skills. Students enter this phase of collaborative training after having finished two previous semesters of collaborative piano courses and a junior recital. Students are assigned projects, both vocal and instrumental, and are coached by collaborative piano faculty. The course will involve recital, jury, or masterclass performances along with study of more advanced lieder and art-song repertoire, arias, orchestral reductions and instrumental solos. Prerequisite(s): MPER 2521.

MPER 4812 - Senior Recital

This course is a public recital performance at the senior level consisting of not less than 50 minutes of literature. Prerequisite(s): Senior standing. Satisfactory completion of six semesters in major applied area and consent of major applied instructor.

MPER 4821 - Collaborative Piano Recital

This course is a public recital performance at the senior level consisting of not less than 30 minutes of literature.

MPER 4900 - Practicum in Music Performance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MPER 4910 - Seminar in Music Performance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MPER 4920 - Workshop in Music Performance

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MPER 4930 - Individual Study In Music Performance

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MPER 4940 - Field Study in Music Performance

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MPER 4950 - Internship In Music Performance

Credit will vary from 1 to 8 hours. Written permission of department chairperson required.

MPER 4960 - Institute in Music Performance

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Written permission of department chairperson required.

MPER 4970 - Study Tour In Music Performance

Credit will vary. Subject matter will vary within the department's field of study.

**MARKETING (MRKT)
Department of Marketing**

MRKT 2000 - Topics In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 3000 - Workshop In Marketing

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MRKT 3013 - Principles of Marketing

This course is a survey of the nature, scope, and economic importance of marketing, analysis of marketing functions, institutions, pricing, demand creation, costs and marketing legislation. Students should take this course prior to other marketing courses. Prerequisite(s): Sophomore standing or above.

MRKT 3123 - Personal Selling

This course examines the role of personal selling in the marketing mix and addresses personal selling activities and techniques. Topics covered include prospecting, overcoming objections, the effective preparation and presentation of a persuasive sales presentation, questioning and closing methods, time and territory management, and social, ethical, and legal issues in sales. Students are encouraged to take MRKT 3013 Principles of Marketing before taking Personal Selling.

MRKT 3313 - Business Logistics

This course covers contemporary business logistics, including transportation management and warehousing management, inventory control and distribution. Business logistics is presented from a strategic management approach that blends practical applications and logistics theory within the broader field of supply chain management. Prerequisite(s): MRKT 3013 or MRKT 3123 or instructor approval.

MRKT 3423 - Consumer and Market Behavior

This course studies the underlying behavioral and social science models and theories that describe consumer behavior in the retail marketplace. These models and theories are then applied to assist marketers in decisions when marketing to consumers. Prerequisite(s): MRKT 3013

MRKT 3433 - Electronic Marketing

Electronic Marketing is designed to bridge the gap between the rapidly emerging field of electronic commerce and the traditional practices marketers currently use in the marketplace. This course will include an overview of how traditional marketing practices can be improved with the use of Internet technologies and electronic communications network systems. Specific topics covered include an investigation of the underlying principles of electronic marketing, the review of Internet business models, identification of on-line target customers, preparation of e-marketing mix, and management of the implemented e-marketing efforts, along with the application of up-to-date technologies such as web analytics, search engine marketing, and social networking as marketing tools to identify, attract and serve customers in the marketplace. Prerequisite(s): Three hours of marketing with senior standing.

MRKT 3443 - Business to Business Marketing

This course is a study of all areas of marketing with emphasis on the marketing management aspect of business-to-business marketing. Prerequisite(s): MRKT 3013 or MRKT 3123.

MRKT 3990 - Advanced Topics In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 4113 - Marketing Research

In this course scientific methods will be applied to the solution of marketing problems. The techniques of determining problems, collecting data, tabulating data, and interpreting findings will be stressed. Emphasis will be placed on making the student a better user of marketing research. Prerequisite(s): MRKT 3013 and ECON 2173.

MRKT 4123 - Consulting In The Real Environment

This course is an interactive, hands-on application of knowledge gained through the student's business degree program. Student teams work with an assigned business in the community and offer recommendations that resolve business problem areas as defined by the client. Students must have a private source of transportation. Credit may be earned in only one course from FIN 4123, MGMT 4123, MRKT 4123. Prerequisite(s): open to senior business majors. ACCT 2113, 2133, BCOM 3143, ECON 2103, 2203, FIN 3563, MGMT 3103, MRKT 3013.

MRKT 4133 - Advanced Personal Selling

Advanced Personal Selling gives students an opportunity to expand on and master the concepts learned in Personal Selling. There will be an increased emphasis on professional sales training techniques like role-modeling and video-recorded feedback, to practice and prepare sales presentations for the competitive environment in the present and future marketplaces. Students may have the opportunity to compete in national sales competitions. Prerequisite(s): MRKT 3123.

MRKT 4143 - Sales Force Management

This course is a critical analysis of the principles, methods, and problems relating to the management of the sales force. Special emphasis will be given to organization, recruiting, selection, training, expenses, compensation, motivation, and evaluation of the sales force. Students are encouraged to take Personal Selling (MRKT 3123) before taking Sales Force Management. Prerequisite(s): MRKT 3013 or MRKT 3123.

MRKT 4353 - Marketing Ethics

The student will gain an understanding of the major theories from philosophical ethics and their importance and application to the discipline of marketing. The student will gain an understanding of the role of logic and critical thinking in the ethical decision making process. Students will then apply theory to contemporary marketing situations and case studies utilizing logic and critical thinking skills. Prerequisite(s): MRKT 3013 or MRKT 3123.

MRKT 4413 - International Marketing

International Marketing investigates the strategies, policies, and variables for international marketing decisions. This course focuses on how economic, trade, cultural, political, and legal environments in the international marketplace influence organizational investment and marketing decisions. Methods are identified throughout the course to help these organizations successfully design and implement marketing strategies to create competitive advantages in the global market. Prerequisite(s): MRKT 3013.

MRKT 4433 - Purchasing & Materials Management

A study of the functions of purchasing, the fundamentals of materials management, and the auxiliary services performed by the purchasing department. Oriented toward the industrial, institutional, and governmental purchaser. Prerequisite(s): MRKT 3013.

MRKT 4453 - Retail Management

Study of all levels of management responsibility (strategic, administrative, and operating) within the two largest functional divisions of retail organizations, namely the merchandising and store operations divisions. They are the most critical with respect to revenue production, management of assets, and productive use of resource funds expended in operations. Prerequisite(s): MRKT 3013 or MRKT 3123.

MRKT 4463 - Integrated Marketing Communication

This course builds on a rigorous base of consumer psychology and then proceeds to treat advertising, reseller stimulation, personal selling, and other communications tools as part of an overall promotional mix. The course develops fundamental considerations as background and then focuses on managerial issues and problems. Prerequisite(s): MRKT 3013. This course replaces MRKT 4003 Promotional Strategy.

MRKT 4813 - Marketing Management

This is the capstone course in marketing. The purpose of this course is to prepare advanced students in marketing to apply the concepts learned in previous marketing classes to actual marketplace conditions. Future marketing managers will apply marketing concepts to plan, implement, and control programs designed to bring about desired exchanges with target markets for the purpose of achieving organizational objectives. Marketing management includes designing the organization's offerings in terms of the target market's needs and desires and effective product development, pricing, promotion, and distribution channels as they apply to the marketing plan. This course should be taken as the final course in marketing. Prerequisite(s): Nine hours of marketing and senior class standing.

MRKT 4900 - Practicum In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 4910 - Seminar In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): MRKT 3013.

MRKT 4920 - Workshop In Marketing

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MRKT 4930 - Individual Study In Marketing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MRKT 4950 - Internship In Marketing

Credit will vary from 1 to 8 hours.

MRKT 4960 - Institute In Marketing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MRKT 4970 - Study Tour In Marketing

Credit will vary. Subject matter will vary within the department's field of study.

**MUSIC EDUCATION (MUED)
School of Music**

MUED 2112 - Intro to Music Education

This course provides an overview of PK-12 school music teaching. Topics include an introduction to the history of music education, trends, issues, methodologies, and responsibilities of the music teacher in today's PK-12 schools.

MUED 2121 - Solfege Studies for Music Ed

This course will offer practical development of sight-singing skills using the traditional movable "do" system. Emphasis is on supporting musicianship and pedagogical skills of the developing music educator through the use of solfege techniques.

MUED 3000 - Workshop in Music Education

Credit will vary from 1 to 6 hours. Subject will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MUED 3122 - Music for Elementary Teachers

This course is an activity-oriented approach to teaching music in the general classroom utilizing singing, listening, rhythm/movement, playing instruments, creative dramatics, and music reading. This course replaces MUS 3122.

MUED 3132 - Marching Band Techniques

This course is a study of techniques in the organization, implementation and teaching of marching bands in secondary schools as well as a study of the history, function, and philosophy of the marching band.

MUED 3221 - Instrumental Techniques

This course will teach a vocal music education student valuable information on the implementation, organization, and instruction of an instrumental program in a secondary school. The student will also gain insight into working with instrumentalists in rehearsal and performance situations. Prerequisite(s): Junior or senior standing.

MUED 3232 - Brass Techniques

This course is class instruction in the major brass instruments and a survey of entire brass choir, including an emphasis on pedagogical techniques including assessment strategies and single instrument maintenance. The course addresses the music learning environment, classroom management, selected observations and reflections on instructional practices, understanding the state teacher evaluation process and instructional strategies for incorporating the criteria into the teaching and learning process.

MUED 3292 - Woodwind Techniques

This course is class instruction in the major woodwind instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

MUED 3432 - String Techniques

This course is class instruction in stringed instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

MUED 3492 - Percussion Techniques

This course is class instruction in the percussion instruments and requires an advanced level both in disciplinary music knowledge and in the student's own major applied instrument. The course's main focus is to develop skill in solo instrument performance as a foundation for the integral development of pedagogical and assessment techniques.

MUED 3990 - Advanced Topics In Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUED 4262 - Elementary Music Techniques

The elementary music techniques is a 3-day workshop for elementary music and general classroom teachers, and undergraduate education students. A nationally recognized clinician will offer sessions on all

areas of elementary music education. Prerequisite: Admission to Teacher Education program.

MUED 4843 - Instrumental Music Methods

This course will involve the pre-service instrumental music education major in a study and overview of philosophy of music education, administrative, classroom management and teaching techniques, and materials for assessing the educational status and progress of students. The course includes, but is not limited to topics such as performance-based assessment, portfolios, objective writing, record keeping, grading procedures, and communication with the community and teaching a successful instrumental music and administrating bands and orchestras in secondary schools. Prerequisite(s): Admission to Teacher Education program. Enrollment open to music education-instrumental majors only. Junior or senior standing.

MUED 4853 - Elementary Vocal Music Methods

In this course the student will study all components of teaching vocal music in the elementary grades, including historical foundations, learning theories, methodologies, techniques, resources, curriculum planning, classroom management and assessment strategies. Prerequisite(s): Junior or senior standing. Enrollment open to music majors only.

MUED 4862 - Instructional Music Methods-Secondary

In this course the student will study the problems and methods of teaching instrumental music in the junior and senior high school. For music majors only.

MUED 4873 - Secondary Vocal Music Methods

In this course the student will study all components of secondary vocal music teaching including historical foundations, methodologies, trends, techniques, curriculum planning, classroom management and assessment strategies for middle school/junior high and high school choirs. Prerequisite(s): Junior or senior standing.

MUED 4900 - Practicum in Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study

MUED 4910 - Seminar in Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUED 4920 - Workshop in Music Education

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MUED 4930 - Individual Study In Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUED 4940 - Field Study in Music Education

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUED 4950 - Internship in Music Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUED 4960 - Institute in Music Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

MUED 4970 - Study Tour in Music Education

Credit will vary. Subject matter will vary within the department's field of study.

MUSIC (MUS)

School of Music

MUS 1102 - Success in Music

This course is designed to provide first year music majors with training in the skills necessary to achieve general academic success but particularly also success both in the pursuit of a degree in music and in the subsequent practice of music as a professional. It includes training in skills and behaviors relevant to establish effective practice, rehearsal, performance, time and schedule management, mental and physical health, and the level of professionalism expected in the field of music. Prerequisite(s): Enrollment open to freshmen only.

MUS 1113 - Introduction to Basic Music Skills

A beginning course in the fundamentals of music, this course consists of a study of harmony, rhythm, music notation, and musical terminology, including learning the staff, notes, intervals, scales, modes, chords, keys and signatures, and develops a basic understanding of music notation and basic structures in music. This course will also introduce notation devices of popular and jazz music including chord symbols, lead sheets, and discuss modern computer applications for the production and scoring of music of all styles.

MUS 1120 - Recital Attendance

The departmental recital provides undergraduate music majors with a performing venue that creates a learning experience through the simulation of actual professional experience. Students, both performers and audience members, will learn appropriate standards of performance, concert etiquette, stage deportment and attire. The course requires attendance at weekly performance recitals.

MUS 1143 - Music Theory I

This course is an introduction to the vertical and linear dimensions of tonal music. After review of music fundamentals, in which students will be expected to demonstrate facility and speed in naming and spelling basic tonal materials, the course will introduce traditional contrapuntal exercises, rhythmic organization, and basic diatonic harmony. This course is first in the theory sequence for music majors. Prerequisite(s): Concurrent enrollment in MUS 1151 and (MPER 2731 or MPER 1000 for piano majors) is required.

MUS 1151 - Aural Skills I

This first course of four in the sequence will emphasize strategies for accurate and expressive reading, improvising, singing, and dictation using elementary rhythms and diatonic pitch materials in treble and bass clefs. Prerequisite(s): Concurrent enrollment in MUS 1143 and (MPER 2731 or MPER 1000 for piano majors) is required.

MUS 1161 - Aural Skills II

In this second course in the aural skills sequence, students will complete their aural understanding of diatonic harmony, will expand their improvisatory capabilities, will experience simple harmonic sequences, and will master most of the rhythmic gestures necessary for performance of Renaissance and common-practice European art music. Alto and tenor clefs will be introduced with emphasis on rapid and accurate reading, along with associated transpositions. All harmonic, melodic, rhythmic, and formal procedures build on materials mastered in MUS 1143. Prerequisite(s): MUS 1143 and 1151. Concurrent enrollment in MUS 1183 is required.

MUS 1183 - Music Theory II

This course is the second in the undergraduate theory sequence. Students will continue the study of tonal harmony and voice leading, both through written work and analysis, focusing mostly on diatonic harmony (chords available within the prevailing key); however, they will also begin to explore techniques of tonicization and modulation (moves to different keys). Prerequisite(s): MUS 1143 and 1151. Concurrent enrollment in 1161 is required.

MUS 1522 - Jazz Theory and Analysis

Jazz Theory and Analysis presents the grammar and syntax of jazz. This course is intended to introduce the student to the basic harmonic, melodic and stylistic elements of jazz music. Prerequisite(s): MUS 1143 and 1151 with a minimum grade "C".

MUS 1714 - Music Theory Musical Theatre I

This course offers the musical theatre major an introduction to music fundamentals and aural skills and will consist of studies in harmony, rhythm, notation, and musical terminology appropriate to musical theatre repertoire. In addition to fundamental music content, this course will infuse aural skills training (sight reading and aural perception) in all lecture content. Prerequisite(s): Freshman or sophomore standing. Enrollment open to Music Theatre majors only.

MUS 1724 - Music Theory Musical Theatre II

As a continuation of MUS 1714 this course offers an intermediate study of musical notation, chord symbols, lead sheets, and harmonic structure specific to musical theatre repertoire. This course also introduces aspects of musical form and composition techniques. Students will continue to strengthen their sight-reading abilities through rhythmic, melodic, and harmonic exercises. Prerequisite(s): MUS 1714 and freshman or sophomore standing. Enrollment open to Music Theatre majors only.

MUS 1742 - Musical Theatre I

Musical Theatre I establishes foundational fundamentals of musical theatre, exploring a basic understanding of all aspects of the craft: singing, dancing, and acting. The course fosters individual artistry in each student, while providing a disciplined, structured introduction to musical theatre technique in all areas. This course may be taken three times for credit.

MUS 1752 - Musical Theatre II

Musical Theatre II continues foundational fundamentals of musical theatre, exploring an understanding of all aspects of the craft: singing, dancing, and acting. The course further develops individual artistry in each student, while providing a disciplined, structured introduction to musical theatre technique in all areas. Through practical application, Musical Theatre II emphasizes basic interview and audition techniques, as well as introductory musical theatre song study methods. This course may be taken two times for credit.

MUS 2123 - Music Appreciation

This course is a global study of both vernacular and art music from antiquity through the twentieth century. It is geared for the novice listener and/or concert patron.

MUS 2133 - Western Music Appreciation

This course is designed to provide students with an introduction to the heritage of western art music from the middle ages to the present. Within that period it covers major composers and compositions, instruments and ensembles, and styles and genres. The ultimate objective is to develop in students a life-enhancing appreciation for one of western civilizations major forms of personal and cultural expression.

MUS 2151 - Aural Skills III

In this, the third course in the aural skills sequence, students will continue to build on skills acquired in the earlier courses. New material in this course emphasizes a systematic introduction to chromatic processes in tonal music, various problems associated with changing meter signatures and polyrhythms, and perception of tonal processes in complete movements composed in larger forms. Prerequisite(s): MUS 1183 and 1161. Concurrent enrollment in MUS 2223 is required.

MUS 2161 - Aural Skills IV

In this, the fourth course in the aural skills sequence, students will continue to build on skills acquired in the earlier courses. New material in this course continues to deal with chromatic material, mode

mixture, modulations of all types, various problems associated with changing meter signatures and polyrhythms, and perception of tonal processes in complete movements composed in larger forms, including sonata-allegro form, sonata rondo, concerto, and composite forms. The students will be expected to evaluate and perform music from scores larger than two staves. Prerequisite(s): MUS 2223 and 2151. Concurrent enrollment in MUS 2593 is required.

MUS 2223 - Music Theory III

This course is the third in the undergraduate theory sequence. Students will explore the meaning of chromaticism in tonal music through the examination of tonicization, common chord modulation, modal mixture, chromatic pre-dominants and enharmonic chromatic modulation. Prerequisite(s): MUSIC 1183 and 1161. Concurrent enrollment in MUS 2151 is required.

MUS 2243 - World Music

This course is a "journey" to ten regions of the World: Oceania, South Asia, Southeast Asia, East Asia, The Middle East, Europe, Sub-Saharan Africa, The Caribbean, South America and Mexico, Canada and the United States. This survey of diverse cultures and their music prior to contact with western media is the focus of the journey.

MUS 2253 - Music in Film

Music in Film explores movie soundtracks as an appreciation of music. By tracing the evolution of film music from early film to present day cinema, students will learn methods for analyzing what is heard along with developing the ability to understand the unique styles of various film composers.

MUS 2321 - Beginning Tap Dancing

This course covers the fundamentals of tap dancing including: terminology, basic steps, history, and style. It is cross listed with DANC 1621. Credit may be earned in only one of these courses.

MUS 2331 - Intermediate Tap Dancing

This course is a continuation of MUS 2321 with emphasis on advanced steps, transition steps, ensemble, and solo work. This course is cross listed with DANC 2621; credit may be earned in only one of these two courses. Prerequisite(s): MUS 2321.

MUS 2351 - Musical Theatre Dance Styles I

This course is the study and practice of musical theatre dance. Through practical and historical samplings of dance combinations from the musical theatre repertoire, students will form a foundation to perform in an array of styles from various cultures and the early periods used in musical theatre dance. Ballet, tap, jazz and other dance forms may be explored within original and reinvented choreographic works. Emphasis is placed on technique, performance quality and auditioning skills. It is assumed that students will possess previous training in the basic techniques of dance. This course may be taken two times for credit.

MUS 2371 - Musical Theatre Dance Styles II

This course continues to build on the previous study and practice of musical theatre dance. Through practical and historical samplings of dance combinations from the musical theatre repertoire, students will expand a foundation for performance in an array of styles from various cultures and the later periods used in musical theatre dance. Ballet, tap, jazz and other dance forms may be explored within original and reinvented choreographic works. Increased emphasis is placed on technique, performance quality and auditioning skills.

MUS 2411 - Stage Movement for Singers

This course is the study and application of the fundamental movement skills required of the professional singer in a performance setting, including but not limited to terminology, history, style, appropriate stage deportment, ensemble and solo work. In addition, the course will address the effectiveness of movement skills as they relate to the interpre-

tive choices of the performer. Prerequisite(s): Concurrent enrollment in MPER 1000 or 2000 or 3020 or 4000 Applied Voice is required.

MUS 2423 - Native American Music

This course is an exploration of Native American music as an integral part of Native American life. The class will study both the history and the preservation and perpetuation of these traditional cultures in contemporary public and private context.

MUS 2443 - History of Video Game Music

This course examines the genre of gaming music, the historical evolution of gaming music history, and function within the broader scope of game audio. Students will learn to recognize common elements in gaming music and will use technology to create their own game music.

MUS 2473 - History Of Music Theatre

A study of music history, Italian Renaissance to the present.
Prerequisite(s): Written permission of instructor.

MUS 2483 - History of Rock and Roll

History of Rock and Roll examines the musical styles of contemporary popular music from its roots in Delta Blues, Rhythm and Blues, Country and Western, and Rockabilly, the artists that represent these styles, and the cultural events and movements that have shaped, or have been shaped, by rock music.

MUS 2593 - Music Theory IV

This course is the fourth in the undergraduate theory sequence. This course will introduce large musical forms including Variation and Rondo and Sonata-allegro form. Students will also study music of the twentieth century and beyond. Prerequisite(s): MUS 2223 and 2151. Concurrent enrollment in MUS 2161 is required.

MUS 2633 - Jazz History

This course will examine the historical development of jazz music as well as the important elements which comprise the individual styles of jazz. The class will focus on important musicians and literature of each era. Attention will also be brought to social aspects of American history as it directly relates to the development of jazz music.

MUS 2673 - Music History for Music Theatre

This course is a survey of the history of music from ancient times to the present with special attention to its relationship to the history of theatre. The course is specially designed to fulfill the music history requirement for music theatre majors while drawing out the close relationship between music and theatre over the centuries.

MUS 2742 - Musical Theatre III

Musical Theatre III further advances technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, this intermediate course guides the emerging artist through an intermediate exploration of interview/audition and song study. This course may be taken two times for credit.

MUS 2752 - Musical Theatre IV

Musical Theatre IV contains developing technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, Music Theatre IV advances developing musical theatre technique in all areas. This course may be taken two times for credit.

MUS 2821 - Singing Diction for Choral Directing

The purpose of this course is to provide choral directors the basic information needed to instruct choral ensembles in the correct singing pronunciation of choral repertoire in English, Italian, French, German and Spanish using the International phonetic Alphabet. Prerequisite(s): MPER 1000 and sophomore standing or above.

MUS 2841 - Opera Workshop

Opera Workshop presents the fundamentals of performance on the operatic stage through extensive study of opera scenes, acting, diction, recitative work and audition techniques. The semester ends with a public performance of opera scenes studied during the semester.

MUS 3000 - Workshop In Music

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MUS 3032 - Woodwind Literature

This course will systematically explore the solo, chamber, and selected orchestral music for woodwind instruments through the study of musical scores and recordings.

MUS 3042 - Brass Literature

This course examines solo, chamber, and selected orchestral music for brass instruments through the study of musical scores and recordings.

MUS 3052 - Percussion Literature

This course will systematically explore the solo, chamber, and selected orchestral music for percussion instruments through the study of musical scores and recordings.

MUS 3062 - String Literature

This course examines the solo, chamber, and selected orchestral music for stringed instruments through the study of musical scores and recordings.

MUS 3102 - Principles Of Conducting

This course will teach conducting and rehearsing music, from simple one-line to multi-part works. Conducting patterns, musical interpretation, and rehearsal techniques are stressed, using both vocal and instrumental literature. A substantial background in music is required. Prerequisite(s): Junior or senior standing.

MUS 3162 - Instrumentation and Arranging

This course familiarizes students with the basics of instrumentation, transposition, and score preparation in order to better facilitate arrangements and/or original compositions using the consorts studied. After the basics are covered, this course will focus on the techniques of creative arranging and orchestration or multiple genres of music. Students will be evaluated on their creative use of the four instrument families of the modern symphony orchestra: strings, woodwinds, brass, and percussion. By the end of the course, the student will be able to arrange an art song for a small mixed ensemble. Arrangements will be performed in class by the students as they are available. All projects will be completed using computer notation software. Prerequisite(s): MUS 2593.

MUS 3232 - Structural Analysis

As an extension of the core music theory curriculum, this course is a culmination of all material covered in the first two years of study. Intertwined with a review of the contrapuntal, harmonic, and formal procedures and concepts that were presented in previous music theory courses will be the introduction of graphic analysis, and its role in representing students' deeper level understanding of linear and harmonic motions and how this understanding impacts performance decisions. Students will be presented with whole compositions from the 18-19th centuries for analysis. Students will present an analysis and research project at the end of the course. Prerequisite(s): MUS 2593.

MUS 3252 - Introduction to Post-Tonal Analysis

This course introduces and explores a broad range of analytical techniques and issues relevant to twentieth-century music. The course deals with the analysis of various musical dimensions in a core repertoire that will vary from semester to semester. Topics include meter/rhythm, harmonic syntax, motivic structure, deeper-level linear

structure, formal processes, and text/music relationships. Students will examine high chromaticism, atonality, serialism, impressionism, minimalism, and music concrete including electronic music, and will be introduced to basic functional and non-functional jazz harmony. Students will be expected to present analyses and apply learned techniques through composition projects. Prerequisite(s): MUS 2593.

MUS 3312 - Italian Lyric Diction

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing Italian Vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach or conduct vocal literature in an academic or professional setting.

MUS 3322 - Music Composition

This course introduces students to the craft of musical composition through instruction in the techniques of melodic and harmonic structure, counterpoint and voice leading, instrumentation and orchestration. The student will progress through the creation of simple toward more elaborate compositions, also through training in a variety of compositional styles. Prerequisite(s): 8 hours of music theory, including 1000 and 2000 levels.

MUS 3342 - Wind Ensemble & Orchestra Literature

This course is the study of wind ensemble and orchestra literature. It examines the historical evolution of wind/orchestral literature and representative works for wind ensemble and orchestra.

MUS 3351 - Musical Theatre Dance Styles III

This course is the intermediate study and practice of musical theatre dance. Through the recreation of the works of famous Broadway and Hollywood choreographers, students will be challenged by increasing their ability to perform in a more advanced array of styles of Musical Theatre dance. Ballet, tap, jazz and other dance forms will be explored within re-invented choreographic works. Emphasis is placed on developing more advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

MUS 3362 - Tonal Counterpoint

This is a course in tonal counterpoint, focusing primarily on the Baroque style, but with work in later eighteenth and early nineteenth-century styles as well. Students will review chorale settings, writing of chorale preludes and variations, inventions and suite movements, introduction to fugue. Relevant analysis provides context for compositional study. Prerequisite(s): Eight hours of music theory. Prerequisite(s): MUS 2593.

MUS 3371 - Musical Theatre Dance Styles IV

This course continues to build on the intermediate study and practice of musical theatre dance. Through the recreation of audition combinations from famous Broadway Musicals, students will be further challenged by increasing their ability to quickly perform in an array of styles of Musical Theatre Dance. Ballet, tap, jazz and other dance forms will be explored within original and re-invented choreographic works. Increased emphasis is placed on developing more advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

MUS 3402 - Instrumental Conducting

This course is a continuation of Music 3102 - for the instrumental conductor.

MUS 3413 - Music Theatre Scene Study I

This course is the practical application of acting, singing, and movement techniques to the various styles of period and contemporary music theatre works. Prerequisite(s): MUS 2473 and written permission of instructor.

MUS 3423 - Music Theatre Scene Study II

This course covers the staging and choreography of scenes, culminating in a live performance. Prerequisite(s): MUS 3413 and written permission of instructor.

MUS 3433 - Music History Survey I

The purpose of music history is to inform practice through the study of musical styles, structures, resources and practices within their historical and social context. This survey covers non-western and western music to 1750. It emphasizes the development of aural and score analysis through the study of representative selections of the repertoire. Prerequisite(s): MUS 1183 and sophomore standing or above.

MUS 3443 - Music History Survey II

The purpose of music history is to inform practice through the study of musical styles, structures, resources and practices within their historical and social context. This survey covers western music from 1750 to the present. It emphasizes the development of aural and score analysis through the study of representative selections of the repertoire. Prerequisite(s): MUS 1183, 3433 and sophomore standing or above.

MUS 3453 - Piano Literature I

This course is a study of piano literature from the Baroque to Classical periods. It involves performance practices of these styles and periods through performing, listening, and analysis of the literature. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000, MPER 2000), MUS 1143, 1183, 2223, 2593, 1151, 1161, 2151, and 2161. Junior or senior standing.

MUS 3473 - Piano Literature II

This course is a study of piano literature from the Romantic period to present day. It involves performance practices of these styles and periods through performing, listening, and analysis of the literature. Prerequisite(s): Four (4) hours of applied piano (MPER 1000, 2000), MUS 1143, 1183, 2223, 2593, 1151, 1161, 2151, 2161 and 3453 with a minimum grade of "B".

MUS 3493 - Vocal Literature

This course is the study of western vocal literature, for solo voice or vocal chamber ensembles, from the Middle Ages to the present. The purpose of this course is to inform practice through the study of the musical style, structure and practice of vocal literature within its historical and social context, including attention to textual interpretation and diction. The course is presented through lecture, demonstrations, recordings and class participation of representative selections of the repertoire. Prerequisite(s): MUS 2623 and junior or senior standing.

MUS 3512 - Choral Conducting

This course is a continuation of Music 3102 (Principles of Conducting) for choral conductors.

MUS 3522 - Guitar Literature

This course examines the solo literature and performance practices of the guitar and its predecessor instruments from the Renaissance to the present day through scores, recordings and performances, and through the creation of critical transcriptions for the modern instrument. Prerequisite(s): 8 hours of applied guitar and junior standing or above.

MUS 3532 - Voice Pedagogy

In this course the student will analyze the physiology of the Larynx and study the muscles involved in singing. This course will instruct students in various vocal methods. They will learn to critically examine teaching methodologies and apply their knowledge of the physiology to their own teaching. This course will also discuss vocal health and the impacts of behavior and medications on the singing voice. This course is designed to prepare students to teach voice and be able to evaluate their own approach to singing.

MUS 3552 - Vocal Sight - Singing

This course will improve sight-singing and ear-training skills of vocal students, in order to enhance their performance ability. Prerequisite(s): MUS 1183 and 1161. Junior or senior standing.

MUS 3612 - Music Theatre Interview & Audition I

This course emphasizes creating a resume, types of interviews, obtaining an agent, personal appearance, and dress. Students will learn how to prepare music for a pianist. Prerequisite(s): Minimum of 10 credit hours in music theatre courses or related subjects.

MUS 3622 - Music Theatre Interview & Audition II

In this course the student will work on audition material, ranging from musicals to stock productions, national tours and regional theatre. There will be an emphasis on cold readings, monologues, rock, pop, and character numbers. Prerequisite(s): MUS 3612.

MUS 3731 - Music Technology

Music Technology introduces the basic components of modern music technology including audio recording, MIDI recording and computer-based music notation. Prerequisite(s): Junior or senior standing.

MUS 3742 - Musical Theatre V

Musical Theatre V further develops technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. This intermediate course guides the emerging artist through an intermediate exploration of musical theatre technique in all areas. Through practical application, Musical Theatre V introduces students to musical theatre scene study. This course may be taken two times for credit.

MUS 3752 - Musical Theatre VI

Musical Theatre VI continues to build on the technical and interpretive skills of the musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. Through practical application, Musical Theatre VI advances developing musical theatre techniques in all areas. This course may be taken two times for credit.

MUS 3761 - Ldrshp Chamber Music Ensemble

This ensemble focuses on the process of forming of a successful chamber music group and the rehearsal and performance of various styles of literature. The participants will be expected to perform outreach in the Oklahoma City Metropolitan Area. Prerequisite(s): Must be enrolled concurrently in Applied Lessons.

MUS 3771 - Piano Pedagogy Internship I

This course is an internship portion of Piano Pedagogy I or Survey of Piano Pedagogy. Students are required to enroll in this course concurrently with either MUS 3782 Piano Pedagogy I or MUS 4883 Survey in Piano Pedagogy. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach an average-age beginner applied piano and parts of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000). Junior or senior standing. Concurrent enrollment in MUS 3782 or 4883 is required.

MUS 3782 - Piano Pedagogy I

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for average-age beginners in group and individual lessons. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000). Junior or senior standing. Concurrent enrollment in MUS 3771 is required.

MUS 3971 - Piano Pedagogy Internship II

This course is an internship portion of Piano Pedagogy II, a continuation from Piano Pedagogy I and Piano Pedagogy Internship I. Students are required to enroll in this course concurrently with MUS 3982 Piano Pedagogy II. It provides observation and supervised student teaching

in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach an average age elementary student applied piano and portions of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000, 2000); MUS 3782 and 3771.

MUS 3982 - Piano Pedagogy II

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for average-age and adult elementary students in group and individual lessons. It is a continuation of study from Piano Pedagogy I. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 3782 and 3771. Junior or senior standing. Concurrent enrollment in MUS 3971 is required.

MUS 3990 - Advanced Topics In Music

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUS 4213 - Music Theatre Directing I

In this course the student will study the historical emergence of the director, production techniques, working with staff, artistic staff and performers, and coordination of all elements of preproduction, production, and post production. Prerequisite(s): MUS 2473, 3423, and written permission of instructor.

MUS 4223 - Music Theatre Directing II

In this course the student will choose scenes from music theatre repertoire, cast them, and select the crew and staff and take the scenes through production and performance. Prerequisite(s): MUS 2331, 3622, 4213, and written permission of instructor.

MUS 4242 - Instrumental Ensemble Pedagogy

This course is the study of basic instrumental ensemble rehearsal philosophies and pedagogical techniques. Emphasis will be placed on equipping the public school band or orchestra teacher with the skills and abilities to identify problems, prescribe effective solutions, and build rapport with young players in a productive and positive environment.

MUS 4313 - Music Research & Methods

This course introduces students to research in the music, including historical methodology, source evaluation, critical method and major research tools. It supports current undergraduate musical study both applied and academic and prepares students for success in graduate study. Prerequisite(s): Junior or senior standing.

MUS 4333 - Music Leadership & Advocacy

This course prepares students to assume proactive leadership and advocate roles in professional music through a study of the relevant classic and current literature, especially as it relates to music and to the broader field of the arts in general. Students build on this knowledge to formulate techniques and strategies for leadership and music advocacy through the design of specific research or activist projects. This course assumes that the student has reached an advanced stage of study in the major field. Prerequisite(s): Enrollment open to music and music education majors with junior standing or above only.

MUS 4341 - Summer Reading Chorus

This course benefits the singers wanting to improve their sight-reading skills in practical situations. Prerequisite(s): Permission of instructor.

MUS 4373 - Classical Era Music

This course presents an intensive exploration of the music of the high classical era with special emphasis on its historical and social context and their influence on the music of the time. Students will participate actively through research and presentation of special topic areas, developing expertise in the historical and theoretical analysis of the repertoire and its primary sources. Prerequisite(s): MUS 1143, 1183, 2223, 2593, 2623, 2663, 3232 and 3273.

MUS 4383 - Baroque Music

This course presents an intensive exploration of baroque music (1600-1750) with special emphasis on its historical and social context and their influence on the music of the time. Students will participate actively through research and presentation of special topic areas, developing expertise in the historical and theoretical analysis of the repertoire and its primary sources. Prerequisite(s): MUS 1143, 1183, 2223, 2593, 2623, 2663, 3232 and 3273.

MUS 4412 - German Singing Diction

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing German vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach or conduct vocal literature in an academic or professional setting. Prerequisite(s): MUS 3312.

MUS 4422 - French Singing Diction

The purpose of this course is to present the sounds and symbols of the International Phonetic Alphabet and the application of those sounds and symbols as a tool in learning the correct pronunciation and rules in singing French Vocal repertoire. It is designed for the career singer, the choral conductor, the teacher of singing and the coach/accompanist expected to perform, teach, or conduct vocal literature in an academic or professional setting. Prerequisite(s): MUS 3312.

MUS 4432 - Choral Arranging

This advanced course in arranging will provide students with the skills necessary to arrange choral music. The course will cover proper voicing, vocal ranges, prosody, and vocal layering. Proper score setup and printing using computer notation software is expected from all students. Prerequisite(s): MUS 2593 and junior or senior standing. Enrollment open to music and music education majors only.

MUS 4443 - Arts Management

Arts Management will cover the following important career topics: resumes, media kits, web page development, branding, taxes and record keeping, legalities — including contracts and copyright issues, networking, personal presentation (i.e. interviews and auditions), researching and recognizing career enhancing opportunities, and developing a career strategy.

MUS 4451 - Advanced Choral Techniques

This course is a continuation of MUS 3512 for choral conductors, stressing advanced techniques and notational systems in choral literature. Prerequisite(s): MUS 3512.

MUS 4523 - Acting For Music Theatre I

This course covers the basic performance skills of the ensemble as it relates to opera, operetta, and musical comedy. It includes basic acting techniques, movement, and application of the Stanislavski system of acting to performance in music theatre. Prerequisite(s): MUS 2473 or written permission of instructor.

MUS 4531 - Advanced Musical Theatre Dance

This course is the advanced study and practice of musical theatre dance. Through samplings of partnering and special skills dance combinations from the musical theatre repertoire, students will be challenged by increasing their ability to perform in an array of styles used in musical theatre dance. Ballet, tap, jazz and other dance forms will be explored within original and re-invented choreographic works. Emphasis is placed on advanced technique, performance quality and auditioning skills. The course may be taken two times for credit.

MUS 4543 - Acting For Music Theatre II

This course is the study and application of the Stanislavski system to music theatre repertoire. Prerequisite(s): MUS 4523 and written permission of instructor.

MUS 4551 - Advanced Musical Theatre Dance II

This course continues to build on the advanced study and practice of musical theatre dance. Through the creation of original choreography and advanced audition technique from the musical theatre repertoire, students will be further challenged by increasing their ability to work and perform in an array of styles used in musical theatre dance. Ballet, tap, jazz and other forms will be explored within original and re-invented choreographic works. Increased emphasis is placed on advanced technique, performance quality and auditioning skills. This course may be taken two times for credit.

MUS 4582 - Advanced Aural Skills

This advanced course offers the student a deeper study into the skills and techniques of sight singing and aural dictation. Students will examine high chromaticism, modal tonality, and some post-tonal practices, and will be introduced to elements of jazz harmony and popular music. This course also will train students with the skills of aural transcription of music from all eras and genres. Prerequisite(s): MUS 2161 and junior or senior standing. Enrollment open to music and music education majors only.

MUS 4612 - Jazz Pedagogy

This course is designed to teach techniques of instruction in the area of jazz education and performance. Prerequisite(s): MUSIC 2311, 2341.

MUS 4622 - String Pedagogy

The course will address methodological approaches to technical and musical aspects of string teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Enrolled in applied strings and senior standing.

MUS 4662 - Guitar Pedagogy

This course addresses the methodological approaches to technical and musical aspects of teaching guitar. Students will be introduced to instructional procedures, pedagogical techniques and teaching materials. Students will also participate in observation and supervised instruction of guitar students. Prerequisite(s): 8 hours of applied guitar. Junior standing or above.

MUS 4672 - Wind & Percussion Pedagogy

This course provides instruction in the development of a professional teaching studio for music performance majors. It also addresses methodological approaches to technical and musical aspects of wind and percussion teaching in the context of exercises, studies, and repertoire. Prerequisite(s): Junior or senior standing.

MUS 4712 - Advanced Arranging: Winds/Percussion

This advanced course will provide students with the skills necessary to create quality arrangements for wind ensemble with percussion. Students will learn proper voicing, layering, ranges and abilities of the groups of instruments in a modern wind symphony. Much time will be devoted to the notation and implementation of percussion instruments. Proper score setup and printing using computer notation software is expected from all students. Prerequisite(s): MUS 3162 and junior or senior standing. Enrollment open to music and music ed majors only.

MUS 4722 - Collaborative Piano Literature

This course gives students a deeper knowledge of the vast repertoire that exists in the realm of collaborative piano. The course is designed to survey both the standard repertoire as well as introduce more esoteric, yet substantial music. Instrumental and vocal solos and chamber works along with instrumental reductions of all periods will be discussed and analyzed within an historical and formal perspective. This course may be taken two times for credit.

MUS 4732 - Advanced Analysis: Masterworks

As a further study of structural form, this course is a culmination of all harmony and analysis study to date. Students will examine large-scale musical works that are considered standard orchestral and choral

repertory. Students will be presented with whole works, including symphonies, symphonic poems, concerti, and large choral works, from all eras of classical music. Analyses in this course will transcend more traditional models of form, being more of a study of form as a result of structural function. Students will present findings orally and through graphical/prose analysis. Prerequisite(s): MUS 3232 and junior or senior standing. Enrollment open to music and music ed majors only.

MUS 4742 - Musical Theatre VII

Musical Theatre VII further develops expertise of musical theatre, exploring a developed understanding of all aspects of the craft: singing, dancing, and acting. This advanced course guides the emerging artist through an exploration of musical theatre technique in all areas. Through practical application, Musical Theatre VII presents the business aspects of musical theatre. This course may be taken two times for credit.

MUS 4752 - Musical Theatre VIII

Musical Theatre VIII addresses the student as an expert in his field, building on advanced technical and interpretive skills of the musical theatre. The course explores an advanced understanding of all aspects of the craft: singing, dancing, and acting. This course may be taken two times for credit.

MUS 4763 - History of Instruments

This course covers the history of keyboard, woodwind, brass, string and percussion instruments in their general and technical development, considering them in the context of historical performance. It also makes reference to how development was affected by such issues as significant innovations in orchestration and tuning and temperament systems. Prerequisite(s): Junior or senior standing.

MUS 4771 - Piano Pedagogy Internship III

This course is an internship portion of Piano Pedagogy III, a continuation from Piano Pedagogy II and Piano Pedagogy Internship II. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach a second-year elementary student applied piano, portions of intermediate student applied piano lessons, and portions of the demonstration class as a part of the course requirements. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 3982 and 3971. Senior standing. Concurrent enrollment in MUS 4782 is required.

MUS 4782 - Piano Pedagogy III

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for intermediate level students in group and individual lessons. It is a continuation of study from Piano Pedagogy II. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 3982 and 3971. Senior standing. Concurrent enrollment in MUS 4771 is required.

MUS 4793 - History of Performance

This course surveys the development of western music from medieval to modern times from the perspective of music performance and its literature. Students will study such aspects of historical performance as rhythm, tempo, ornamentation, and improvisation as well as learn how to distinguish practices appropriate to specific historical periods. Students will also receive an introduction into the primary and secondary literature in the field and how to evaluate both it and issues of philosophy, aesthetics and authenticity.

MUS 4821 - Piano Pedagogy Internship IV

This course is an internship portion of Piano Pedagogy IV, a continuation from Piano Pedagogy III and Piano Pedagogy Internship III. It provides observation and supervised student teaching in piano, as well as a weekly discussion with the supervising teacher. Each student teacher will teach a second-year elementary applied piano, portions of les-

sons for intermediate or advanced student applied piano, and portions of the demonstration class as a part of the course requirement. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 4782 and 4771. Senior standing. Concurrent enrollment in MUS 4833 is required.

MUS 4832 - Piano Pedagogy IV

This course is a study in instructional procedures, pedagogical techniques, and teaching materials for second-year elementary and intermediate to advanced level students in group and individual lessons. This is a continuation of study from Piano Pedagogy III. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000;) MUS 4782 and 4771. Senior standing. Concurrent enrollment in MUS 4821 and MUS 4841 are required.

MUS 4841 - Piano Pedagogy Senior Project

This course is the capstone course for piano pedagogy studies. It provides students opportunities to integrate and synthesize acquired knowledge and skills: 1) to present a public workshop on a chosen and approved piano pedagogy topic, and 2) to complete an application portfolio for National Certified Teacher of Music certification from the Music Teachers National Association. Prerequisite(s): MUS 4782 and MUS 4771 with senior standing. Concurrent enrollment in MUS 4832 and MUS 4821 is required.

MUS 4883 - Survey in Piano Pedagogy

This course is a survey of the teaching materials and techniques of teaching piano, from the elementary to advanced level, in private and group instruction. Prerequisite(s): Four (4) semester hours of applied piano (MPER 1000; MPER 2000; 3020). Junior or senior standing. Concurrent enrollment in MUS 3771 is required.

MUS 4900 - Practicum In Music

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUS 4910 - Seminar In Music

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

MUS 4920 - Workshop In Music

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

MUS 4930 - Individual Study In Music

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Written permission of department head required.

MUS 4940 - Field Study In Music

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

MUS 4950 - Internship In Music

Credit will vary from 1 to 8 hours. Written permission of department chairperson required.

MUS 4960 - Institute In Music

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Written permission of department chairperson required.

MUS 4970 - Study Tour In Music

Credit will vary. Subject matter will vary within the department's field of study.

NUTRITION (NTRN)**Department of Human Environmental Sciences****NTRN 1483 - Personal Nutrition**

This course is designed to increase your knowledge, strengths, and skills in self-awareness of nutrition habits, consumerism, weight control, fitness and disease prevention.

NTRN 1513 - Introduction To Nutrition

This course is a study of the aspects of nutrition in relation to physical development and health. The course focuses on the essentials of an adequate diet, functions of the nutrients and their requirement by different age groups. Credit may not be earned for both NTRN 1513 and NTRN 1483.

NTRN 1613 - Principles Of Food Preparation

This course includes techniques and theories of food preparation including use and selection of equipment, sanitation, and quality controls. Concurrent enrollment in NTRN 1613L is required.

NTRN 1613L - Principles Of Food Preparation

This laboratory is designed to accompany NTRN 1613.

NTRN 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 2213 - World Foods And Culture

This course is a study of culturally based foods and food habits of ethnic groups and the major effect on life styles.

NTRN 2411 - Overview Of Dietetics

This course is an overview of dietetics profession, various roles and employment opportunities, and the educational process required to become a dietitian.

NTRN 2423 - Introduction To Clinical Nutrition

Clinical nutrition is the study of nutrition as it applies to people with medical conditions that require specific dietary care. Prerequisite(s): NTRN 1483 or NTRN 1513. This course replaces NTRN 2423 Normal and Clinical Nutrition.

NTRN 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

NTRN 3011 - Professional Development

This course is designed to help the student examine and become familiar with the professional aspects of chosen fields of study and to develop qualities necessary for leadership in that field.

NTRN 3131 - Food Safety And Sanitation

This course includes the study of microbiology of food as it relates to the preventing of food borne illness, as well as a study of the facts underlying food safety; a prerequisite for senior level capstone experience. This course replaces NTRN 4131. Prerequisite(s): NTRN 1513 or Community Health (3100) majors, or PGM (2126) majors.

NTRN 3633 - Life Span Nutrition

This course includes the study of nutritional needs of individuals and families of all ages from conception through the senior adult years. This course replaces NTRN 4633. Prerequisite(s): NTRN 1483 or 1513 or FLE major.

NTRN 3662 - Nutrition Of Children

This course includes the study and application of nutrition principles applying to the feeding of children.

NTRN 3723 - Nutrition Education

This course provides the application of learning theory and media in the design, development and delivery of nutrition education and counseling programs for groups and individuals. Prerequisite(s): NTRN 1513.

NTRN 3863 - Community Nutrition

The focus of this course is to examine the role of the dietitian/nutritionist in identifying health and nutrition problems and integrating nutritional services with medical and social services within the community. Prerequisite(s): NTRN 1513.

NTRN 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 4034 - Medical Nutrition Therapy

This course includes the theory and application of medical nutrition therapy that integrates nutrition, biochemistry, physiology and pharmacology in the treatment of various diseases. This is a capstone course. This course replaces NTRN 4034 Clinical Nutrition. Prerequisite(s): NTRN 2423 with a minimum grade of "B", NTRN 4053 or concurrent, CHEM 3403 or concurrent, and BIO 2604.

NTRN 4053 - Applications Of Nutritional Care

This course includes the study of nutritional assessment and the procedures of nutritional care. Prerequisite(s): CHEM 3403 or concurrent enrollment in CHEM 3403, BIO 2604, (NTRN 2423 with a minimum grade of "B") and NTRN 4034 or concurrent enrollment in NTRN 4034.

NTRN 4123 - Food Science And Laboratory

Laboratory experiments are used to demonstrate the physical and chemical properties of foods with practical application to food preparation. Prerequisite(s): NTRN 1613, CHEM 1103 and 1112.

NTRN 4123L - Food Science Laboratory

The laboratory is designed to accompany NTRN 4123.

NTRN 4394 - Advanced Nutrition

This course focuses on the advanced study of normal nutrition which includes digestion, absorption and metabolism of all nutrients, with an emphasis on the latest nutrition research. Prerequisite(s): NTRN 4034, CHEM 3403, CHEM 4103 or concurrent, BIO 2604.

NTRN 4412 - Societal Impact On Aging

This course examines how changes in society impact the health and lifestyle of the older adult.

NTRN 4422 - Nutrition Of The Older Adult

This course is a study of the nutritional status and requirements of the older adult and their effects on health and quality of life.

NTRN 4664 - Food & Beverage Management (small operations)

This course includes the study of foods, production, equipment, preparation, sanitation, and service techniques in small commercial food facilities with emphasis on quality standards. The emphasis will be on food operations associated with golf course management. Prerequisite(s): NTRN 1613 and 1613L, MGMT 3103, MRKT 3013. Hepatitis A vaccination is required.

NTRN 4674 - Quantity Foods

This course includes the study of foods, production, equipment, preparation, and service techniques in commercial food with emphasis on quality standards. Prerequisite(s): NTRN 1613, NTRN 3131 and concurrent enrollment in NTRN 4673L. Hepatitis A vaccination is required of all students enrolled in this class.

NTRN 4674L - Quantity Foods Laboratory

This lab is designed to accompany NTRN 4674.

NTRN 4704 - Institutional Food Management

This course includes the organization and administration of food systems. Emphasis is on physical facilities, financial control, and sanitation as well as safety. Prerequisite(s): NTRN 4674. Hepatitis A vaccination is required.

NTRN 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

NTRN 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NTRN 4950 - Internship

Credit will vary from 1 to 8 hours.

NTRN 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NTRN 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

**NURSING (NURS)
Department of Nursing**

NURS 1221 - Introduction to Nursing

This course is for students interested in the profession of nursing. Nursing past, present, and future is explored to understand the status of the profession today.

NURS 1333 - Introduction To Nursing Information & Laboratory

This course introduces the nursing student to basic terms and concepts related to computers and information technology and their uses in health care delivery. A selection of the most prevalent applications used in nursing practice, education and research will be explored. Concurrent enrollment in NURS 1333L is required.

NURS 1333L - Introduction To Nursing Information Laboratory

This laboratory course is to accompany NURS 1333. Concurrent enrollment in NURS 1333 is required.

NURS 2000 - Topics In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 2101 - Success in Nursing I

This course focuses on strategies for success in nursing school and completion of required standardized testing. Students will be introduced to an applied research/health promotion activity. Prerequisite(s): Admission to the Nursing Program.

NURS 2113 - Individual/Family Development Through Lifespan

This course focuses on knowledge synthesis of individual and family developmental theories and concepts through the lifespan. Students integrate theories and concepts of health promotion of individuals and families while conducting an in-depth study of developmental characteristics. Prerequisite(s): ENG 1113.

NURS 2207 - Foundations of Nursing

This course focuses on educating students regarding scientific principles to facilitate a person's adaptation to changes within his or her internal and external environments. Specific emphasis is on health assessment, use of the nursing process, and development and utilization of psychomotor skills in laboratory and clinical settings. Clinical emphasis is placed on utilization of health assessment skills and the nursing process with selected clients in a clinical setting. Prerequisite(s): BIO 2504 or FNRL 2214 and (BIO 2604 or concurrent enrollment). Concurrent enrollment in NURS 2207L is required. Admission to the Nursing program.

NURS 2207L - Foundations of Nursing Laboratory

This clinical and laboratory course is to accompany NURS 2207. Prerequisite(s): (BIO 2504 or FNRL 2214) and BIO 2604 or concurrent enrollment. Admission to the Nursing Program. Concurrent enrollment in NURS 2206 is required.

NURS 3000 - Workshop In Nursing

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

NURS 3012 - Physical Assessment

This course focuses on knowledge synthesis and utilization of scientific principles to assess man's internal and external environments. Specific emphasis is on assessment to determine the individual's position on the adaptation - maladaptation continuum. A laboratory component is included. Prerequisite(s): BIO 2504 or FNRL 1114/1114L. Concurrent enrollment in NURS 3012L is required. This course and NURS 2203 replace NURS 2214.

NURS 3012L - Physical Assessment Laboratory

This laboratory course is to accompany NURS 3012. Concurrent enrollment in NURS 3012 is required.

NURS 3202 - Introduction To Pharmacology

This course focuses on the study of basic pharmacology with an overview of the major drug classifications. Prerequisite(s): NURS 2207.

NURS 3234 - Concepts in Nursing I

This course is designed to facilitate the transition of the licensed practical/vocational nurse (LPN/LVN) to the registered nurse (RN) role using selected concepts relevant to baccalaureate nursing practice. Emphasis in clinical simulations is on utilization of the nursing process with selected clients throughout the lifespan. Prerequisite(s): Junior or senior standing. Enrollment open to Nursing majors only.

NURS 3244 - Concepts in Nursing 2

This course is designed to facilitate the transition of the licensed practical/vocational nurse (LPN/LVN) to the registered nurse (RN) role using selected concepts relevant to baccalaureate nursing practice. This course is the second in a series and emphasizes care of maternity clients, neonates, pediatric clients, and geriatric clients in a variety of settings. Clinical and lab simulations focus activities on utilization of the nursing process in caring for selected clients throughout the lifespan. Prerequisite(s): NURS 3234 and junior or senior standing. Enrollment open to Nursing majors only.

NURS 3307 - Adult Medical/Surgical Nursing I

This course is an application of knowledge and utilization of the nursing process to facilitate the adaptation of adult clients in acute care clinical settings. The course also includes a skills laboratory that focuses on the development of psychomotor and interpersonal skills. Prerequisite(s): NURS 2206/2206L, NURS 2101. Concurrent enrollment in NURS 3307L is required.

NURS 3307L - Adult Medical/Surgical Laboratory

This clinical and laboratory course is to accompany NURS 3307. Prerequisite(s): NURS 2206/2206L and NURS 2101. Concurrent enrollment in NURS 3307 is required.

NURS 3314 - Maternal-Newborn Nursing

This course focuses on knowledge synthesis and interventions facilitating mother's and infants' adaptation throughout the childbearing cycle. Clinical emphasis is placed on utilization of the nursing process with selected mothers and infants in a clinical setting. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3314L is required.

NURS 3314L - Maternal-Newborn Laboratory

This clinical laboratory course is to accompany NURS 3314. Contact hours are variable. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3314 is required.

NURS 3324 - Pediatric/Child Health Nursing

This course focuses on knowledge synthesis and intervention facilitating children's adaptation to health stressors. Clinical emphasis is placed on the utilization of the nursing process with selected children in a clinical setting. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3324L is required.

NURS 3324L - Pediatric/Child Health Nursing Laboratory

This clinical laboratory course is to accompany NURS 3324. Contact hours are variable. Prerequisite(s): NURS 3307/3307L. Concurrent enrollment in NURS 3324 is required.

NURS 3333 - Psychiatric Mental Health Nursing

This course is an application of knowledge and utilization of the nursing process to facilitate the adaptation of clients experiencing alterations in mental health in a variety of clinical settings. Prerequisite(s): NURS 2206/2206L and NURS 2101. Concurrent enrollment in NURS 3333L is required.

NURS 3333L - Psychological/Mental Health Laboratory

This clinical laboratory course is to accompany NURS 3333. Contact hours are variable. Prerequisite(s): NURS 2206/2206L and NURS 2101. Concurrent enrollment in NURS 3333 is required.

NURS 3344 - Adult Medical/Surgical Nursing II

This course is an application of progressively complex concepts and a utilization of the nursing process to facilitate the adaptation of adult clients in acute care clinical settings. The course also includes a skills laboratory that focuses on the development of psychomotor and interpersonal skills. Prerequisite(s): NURS 3421, NURS 3307/3307L. Concurrent enrollment in NURS 3344L and NURS 3431 are required.

NURS 3344L - Adult Medical/Surgical Nursing II Laboratory

This clinical laboratory course is to accompany NURS 3344. Prerequisite(s): NURS 3421, NURS 3307/3307L. Concurrent enrollment in NURS 3344 is required.

NURS 3413 - Pathophysiology

This course is an introduction to the study of human physiologic function in disease processes and explores man's adaptation to change in his internal environment. Prerequisite(s): BIO 2504 or 2604 or FNRL 1114.

NURS 3421 - Success in Nursing II

This course focuses on stress management techniques for the nursing student. Completion of required standardized testing and progression

in the applied research/health promotion activity will be included. Prerequisite(s): NURS 2101, NURS 2206, NURS 2206L, and (NURS 3307, NURS 3333, NURS 3202 or concurrent enrollment) and admission to the Nursing Program.

NURS 3431 - Success in Nursing III

This course focuses on career management for the nursing student, including interviews and resume preparation. Completion of required standardized testing and progression in the applied research/health promotion activity will be included. Prerequisite(s): NURS 3421, NURS 3307, NURS 3333, NURS 3202, and (NURS 3314, NURS 3324, NURS 3344 or concurrent enrollment) and admission to the Nursing Program.

NURS 3512 - Service Learning & Health Promotion

This course focuses on application of health promotion principles utilizing service learning and applied research projects. Students work collaboratively with faculty in experiential learning environments which focus on the needs of selected groups. Prerequisite(s): Junior standing. Enrollment open to Nursing majors only.

NURS 3611 - Basic EKG Interpretation

This course provides experience for upper level nursing students and practicing nurses to recognize, interpret, and treat basic cardiac dysrhythmias. A review of the anatomy and physiology of the cardiac system and relevant technology will be discussed. Prerequisite(s): NURS 3307 and junior or senior standing. Enrollment open to Nursing majors only.

NURS 3990 - Advanced Topics In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 4113 - Transition To BSN

This is a bridge course which introduces the career ladder to the curriculum, including the philosophy and conceptual framework of the UCO Department of Nursing. Emphasis is placed on nursing process and issues related to professionalism and role transition.

NURS 4134 - Community Health Nursing

The nursing process will be used to facilitate adaptation of populations at risk because of unmet needs in community settings. Clinical experiences will focus on the application of community health nursing concepts to populations at risk. Prerequisite(s): NURS 4146/4146L, 4324/4324L, and 4431. Concurrent enrollment in NURS 4134L is required.

NURS 4134L - Community Health Laboratory

This clinical laboratory course is to accompany NURS 4134. Prerequisite(s): NURS 4146/4146L, 4324/4324L, and 4431. Concurrent enrollment in NURS 4134 is required.

NURS 4146 - High Acuity Nursing

This course focuses on knowledge synthesis of increasingly complex concepts, and utilization of the nursing process, to facilitate adaptation of patients in high acuity and/or complex clinical settings, including critical care environments. Prerequisite(s): NURS 3314/3314L, 3324/3324L, and 3344/3344L. Concurrent enrollment in NURS 4146L is required.

NURS 4146L - High Acuity Nursing Laboratory

This clinical laboratory course is to accompany NURS 4146. Prerequisite(s): NURS 3314/3314L, 3324/3324L, and 3344/3344L. Concurrent enrollment in NURS 4146 is required.

NURS 4153 - Nursing Research/Evidence Based Practice

This course teaches the basic elements of the processes of research and evidence based practice. Prerequisite(s): STAT 3103 or ECON 2173 or PSY 2753 or SOC 4043 or ECON 2303 or STAT 2103.

NURS 4324 - Care of Vulnerable Individuals

This course focuses on the study of the adaptation process of individuals and families in response to changes in their internal and/or external environments. Emphasis is on nursing strategies aimed at the prevention and management of common health problems in aging, chronic illness and disability in a variety of clinical settings. Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L. Concurrent enrollment in NURS 4324L is required.

NURS 4324L - Care Of Vulnerable Individuals Laboratory

This clinical laboratory course is to accompany NURS 4324. Prerequisite(s): NURS 3314/3314L, 3324/3324L, 3344/3344L. Concurrent enrollment in NURS 4324 is required.

NURS 4412 - Leadership/Management

This course focuses on principles of nursing leadership/management within the scope of professional nursing practice. Prerequisite(s): NURS 4146, NURS 4324, NURS 4431. Concurrent enrollment in NURS 4412L is required.

NURS 4412L - Leadership/Management Laboratory

This clinical laboratory course is to accompany NURS 4412. Prerequisite(s): NURS 4146/4146L, NURS 4324/4324L, NURS 4431. Concurrent enrollment in NURS 4412 is required.

NURS 4431 - Success in Nursing IV

This course focuses on NCLEX preparation and time management for the nursing student. Completion of required standardized testing and progression in the applied research/health promotion activity will be included. Prerequisite(s): NURS 3431, NURS 3314, NURS 3324, NURS 3344, and (NURS 4153, NURS 4146, NURS 4324 or concurrent enrollment).

NURS 4514 - Professional Nursing Practice

The emphasis of this course is placed on facilitating the role transition from nursing student to professional nurse. Clinical activities provide a capstone experience. Prerequisite(s): NURS 4146/4146L, NURS 4324/4324L, NURS 4431. Concurrent enrollment in NURS 4514L is required.

NURS 4514L - Professional Nursing Practice

This clinical laboratory course is to accompany NURS 4514. Prerequisite(s): NURS 4146, NURS 4324, NURS 4431. Concurrent enrollment in NURS 4514 is required.

NURS 4532 - Success in Nursing V

This course focuses on continued preparation for NCLEX-RN and other transition to practice issues for the nursing student. Completion of required standardized testing and coordination activities at the applied research/health promotion setting will be included. Prerequisite(s): NURS 4431, NURS 4146, NURS 4324, NURS 4153, and (NURS 4134, NURS 4412, 4514 or concurrent enrollment).

NURS 4623 - Advanced Clinical Response

This course provides the student an opportunity to demonstrate the use of critical thinking, problem-solving, leadership, and communication skills to assess, interpret, intervene, and evaluate nursing care for high acuity patients in a variety of settings. The student will be expected to demonstrate skill in early identification and prevention of decompensated states. Simulations of patient situations are used to support learning. Topics covered include respiratory and cardiac disorders, cardiac dysrhythmias, and shock. Course is designed for RN to BS Career Advancement Students. Prerequisite(s): Senior standing. Enrollment open to Nursing majors only.

NURS 4722 - Pharmacology II

This course will build on material related to pharmacology from previous courses. Emphasis is placed on pathophysiology of drug types by body systems. Prerequisite(s): NURS 3202 and senior standing. Enrollment open to Nursing majors only.

NURS 4746 - Professional Nursing Leadership & Management

In this course students synthesize information from nursing science and other disciplines applying principles of leadership and management within the scope and standards of professional nursing practice. A capstone project is included in this course. Clinical experiences facilitate the continuing development and application of critical thinking skills and caring in the provision of evidence-based nursing practice in a variety of healthcare settings. Prerequisite(s): NURS 4146 and senior standing. Admission to the Nursing program. Enrollment open to nursing majors only. Concurrent enrollment in NURS 4676L is required.

NURS 4746L - Prof Nursing Leadership Laboratory

This clinical laboratory course is to accompany NURS 4746. Prerequisite(s): NURS 4146 and 4324 with senior standing. Concurrent enrollment in NURS 4746 is required.

NURS 4821 - Preparing for Entry Into Practice

This course focuses on activities to assist students preparing for the national licensing examination for registered nurses (NCLEX-RN) and career development. Completion of required standardized testing, development of a study plan to remediate weaknesses, interviews and resume preparation will be included in course activities. Prerequisite(s): Senior standing. Enrollment open to Nursing majors only.

NURS 4900 - Practicum In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 4906 - Nurse External Program

The subject matter for this course will vary within the department's field of study.

NURS 4910 - Seminar In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 4920 - Workshop In Nursing

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

NURS 4930 - Individual Studies In Nursing

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

NURS 4950 - Internship In Nursing

Credit will vary from 1 to 8 hours.

NURS 4960 - Institute In Nursing

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

NURS 4970 - Study Tour In Nursing

Credit will vary. Subject matter will vary within the department's field of study.

OCCUPATIONAL AND TECHNOLOGY EDUCATION (OCTE)

Department of Adult Education & Safety Sciences

OCTE 2000 - Topics In Vocational Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

OCTE 3413 - Creativity for Leaders

This course will examine how creativity contributes to effective and successful leadership. Suggestions and barriers for the implementation of creativity will be covered. This course will be explorative and will focus on the expansive parts of the thinking process.

OCTE 3513 - Critical Thinking for Leaders

This course is designed to examine critical thinking including inductive and deductive reasoning, inference, interpretation, and inquiry. Critical thinking requires prudence in making judgements, precision, self-assessment, self-evaluation, identification of issues, and responsibility in the selection of criteria.

OCTE 3523 - Leadership and Change

This course is designed to explore change, including what change is, types of change, resistance to change, and leadership and change. Change will be examined from multiple perspectives including theoretical, personal, organizational, community, political, global and virtual.

OCTE 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4123 - Foundations of Training & Development

Designed to provide an overview of the training and development field. The major emphasis is on the roles and responsibilities of training and development personnel, the structure of departments housing the training and development function, and how training and development personnel identify and provide for training needs. Prerequisite(s): Junior or senior standing.

OCTE 4153 - Organizational Dynamics

This course will examine various types of organizational structures and the impact communications has on the operations of the organization, especially when facing change. This will include efficient and effective written, verbal, and technology communications for employees and administrators. Prerequisite(s): Junior or senior standing.

OCTE 4323 - Motivating the Adult Learner

This course will provide participants with an understanding of theories, models, and techniques for motivating adults. Learners will evaluate and analyze theories of adult motivation, compare and contrast motivation models used in learning and workplace settings, and demonstrate the ability to create motivational environments for adults. Prerequisite(s): Junior or senior standing.

OCTE 4333 - Human Relations Training & Development

This course will examine the role of human relations in organizations with particular emphasis on the training and development function. Topics addressed include communications, attitudes, positive self-concept, communication styles, motivation, values, emotional control, positive reinforcement, team building, and conflict management. Through focused discussions and assignments students will gain an understanding of the various issues surrounding a global economy. Prerequisite(s): Junior or senior standing.

OCTE 4343 - Consulting Skills Training

Examines the internal and external consulting roles of the training and development professional. Topics include an overview of the consulting process, conducting contracting meetings, understanding and dealing with resistance, gathering data, and conducting feedback meetings. Responding to requests for proposals, writing proposals, developing budgets, and determining the cost benefits of training will also be examined. Prerequisite(s): Junior or senior standing.

OCTE 4363 - Legal Issues in Employment

This course will identify potential legal issues which affect employees in the workplace. Topics addressed include employment and dismissal issues and legal issues related to contract and agent law, personnel

management and labor relations. Prerequisite(s): Junior or senior standing.

OCTE 4463 - Contemporary Issues in Supervision

This course will cover current issues related to the discipline of supervision. Ethics and social responsibilities of supervisors are debated in the classroom. Prerequisite(s): Junior or senior standing.

OCTE 4562 - Creative Supervision Skills

This course addresses the characteristics of an effective supervisor, including motivation of employees, appraisal of employees, building relationships within the organization, creating a positive work climate, making quality decisions, handling human resource problems, managing time and stress, setting priorities, and demonstrating leadership skills. Prerequisite(s): Junior or senior standing.

OCTE 4572 - Facilitation Techniques

This course addresses the theory, principles, concepts and practices of group facilitation skills that play a critical role in generating change and producing innovative solutions to complex problems by board members, labor-management committees, mediators, chairs in community and inter-organizational groups (profit and non-profit), quality management teams, etc. Dispute resolution skills studied include mediation, negotiation, conflict resolution and alternative dispute resolution. Prerequisite(s): Junior or senior standing.

OCTE 4643 - Proposal and Grant Writing

This course will address techniques of successful proposal and grant writing. It will focus on following proposal guidelines and granting institution Request for Proposals as well as identifying and developing strategies for successful completion of proposal and grant projects. Prerequisite(s): Junior or senior standing.

OCTE 4731 - Drug Issues for Older Adults

This course will present a broad overview of the medication issues concerning older adults. Topics will include a basic introduction to frequently used prescription and over-the-counter drugs, common problems encountered by the older adult taking multiple medications for their multiple medical problems in a variety of settings, health and safety guidelines, marketing effects, and economic concerns. Prerequisite(s): Senior standing.

OCTE 4742 - Health Issues For Older Adults

This is a basic course introducing gerontologic concepts with a focus on chronic illness, disease prevention and health promotion.

OCTE 4823 - Nature & Characteristics Of The Adult Learner

A course designed to familiarize the student with some of the learning theories and their implications for education of adults. Emphasis is on application of principles of psychology and learning to the learner; understanding of the characteristics of the learner; differences to be expected between teaching adults and/or adolescents; adaptation of the teaching techniques to the adult personality; and adaptation of subject matter content to the adult.

OCTE 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

OCTE 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4950 - Internship

Credit will vary from 1 to 8 hours.

OCTE 4960 - Institute

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

OCTE 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

**ORGANIZATIONAL LEADERSHIP (ORGL)
Department of Adult Education & Safety Sciences**

ORGL 2000 - Topics in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 3000 - Workshop in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ORGL 3113 - Foundations Of Organizational Leadership

This course is an introduction to the Organizational Leadership Bachelor of Science program. Essential components will include: overview of program expectations; principles of adult learning; resources for success including library, campus, online resources and mentoring relationships; personal wellness/stress and time management techniques; study and test-taking skills; and basic computer skills for working in an online environment. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 3223 - Professional Communication

This course is a study of communication in the workplace within a framework of organizational ethics. Essential components and course content include: listening; verbal and nonverbal communication; written expression; and professional presentation methods. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 3333 - Data Analysis And Interpretation

This course will enable the student to develop an understanding of the application and interpretation of basic data analysis. Essential components and course content will include basic data analysis from a user perspective. Hands-on experience will enable students to utilize Excel to solve problems and interpret results. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 3443 - Survey of Fiscal Management

This course is a managerial overview of fiscal management within organizations. Essential components and coursework content will include: understanding the components and articulation of financial statements; knowledge and application of financial ratios leading to an understanding of organizational performance across time and in comparison to industry standards; utilization of financial information in the acquisition of capital and budgeting decisions; and rudimentary understanding of cash flows. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 3990 - Advanced Topics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4113 - Ethics and Organizations

This course is designed to examine the dynamics of workplace and personal ethics through the study of basic philosophical theories. Essential components and course content will include: leadership in the context of self-governance, responsibility adherence to principles, integrity and constancy of purpose. Current case studies will be used to apply ethical theories. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 4223 - Individuals, Organizations And Society

This course is an examination of contemporary issues that affect organizations. Essential topics include environmental stewardship, social responsibility of the organization, effects and implications of globalization, the status of individual freedom within the organization, diversity, and the ramifications of technological change. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 4333 - Leading and Managing

This course is a study of theories that influence leadership and management with application to a variety of work situations. Essential components and coursework content will include: basic leadership and behavior styles; negotiation; critical thinking; change; conflict resolution; ethics and social responsibility and diversity in the workplace. Assessment of personal leadership abilities and personality traits will be included. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 4443 - Markets and Stakeholders

This course introduces the student to the concept of markets and stakeholders. Essential components and course content will include: an overview of competitive markets, buyer behavior, development of new markets and products, marketing communications, distribution channels, pricing and marketing mix strategies. It will include a discussion of external environmental factors and stakeholder analysis. Students will be able to evaluate market needs, select target markets and develop an appropriate market mix. Prerequisite(s): Enrollment is open to Organizational Leadership majors only with junior standing or above.

ORGL 4553 - Capstone

This course provides the student the opportunity to integrate concepts and theories covered in the core with their area of focus. Students will design and implement a capstone project related to their area of focus culminating in a written and oral presentation. This course must be taken in the student's final enrollment period. Prerequisite(s): ORGL 4443, 4333, 4223, 4113, 3443, 3333, 3223, and 3113. Enrollment is open to Organizational Leadership majors only with senior standing or above. Instructor Permission Required.

ORGL 4900 - Practicum in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4910 - Seminar in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

ORGL 4930 - Individual Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4940 - Field Study

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4950 - Internship in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4960 - Institute in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4970 - Study Tour in Organizational Leadership

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study.

ORGL 4993 - Professional Internship

This course is a supervised professional level assignment with an organization, firm, government agency, or not-for-profit entity within the selected area of focus. Prerequisite(s): ORGL 4443, 4333, 4223, 4113, 3443, 3333, 3223, 3113 and permission of instructor. Enrollment is open to Organizational Leadership majors only with junior standing or above.

PHYSICAL EDUCATION (PHED)**Department of Kinesiology and Health Studies****PHED 1101 - Physical Education (Team Sports)**

Basic skills and competitive games in selected team sports. P.E. activity credit.

PHED 1121 - Running Aerobics

Aerobic walking/jogging/running program emphasizing development of cardiovascular fitness. P.E. activity credit.

PHED 1141 - Bench Aerobics

The course is designed to improve cardiovascular and muscular fitness through a program consisting of the knowledge and skills of continuous, patterned movements on bench steps. P.E. activity credit.

PHED 1151 - Waterobics

A course designed to promote cardiovascular fitness, muscular strength and endurance, and flexibility through participation in rhythmic water exercises. P.E. activity credit.

PHED 1161 - Weight Training

Instruction and participation in the use of free weights and various weight machines for the purpose of developing muscular strength and endurance. P.E. activity credit.

PHED 1211 - In-line Skating

The course will cover the fundamental instruction and active participation in in-line skating. Information will be useful for learning and refining the basic skills. P.E. activity credit.

PHED 1221 - Hatha Yoga

This introductory program is designed to enhance a student's physical, mental, and emotional health through the learning of hatha yoga techniques. P.E. activity credit.

PHED 1231 - Walking Fitness

This course is designed to examine fitness walking as an activity to improve health and fitness. Adopting exercise (walking) into a life-time behavior is the main goal of the class. P.E. activity credit.

PHED 1241 - Pilates

This course will focus on techniques used to strengthen muscles, improve posture, balance, and flexibility in addition to training the mind and body to work together toward the goal of overall health/fitness.

PHED 1251 - Introduction to Aikido

This course introduces the student to the basic principles and practices of the martial art of Aikido (the way of harmony) that originated in Japan. Aikido is a self-defense system that uses evasion and redirection of the attacker's force. The course will focus on safety, stretching, movement, proper falling, and defending against grasps and strikes.

PHED 1311 - Karate

The course will focus on instruction and participation in the Tae Kwon Do form of karate. P.E. activity credit.

PHED 1402 - Fitness Development & Assessment

This course includes instruction and assessment in health related physical fitness development components and activities. Prerequisite(s): must be a major in Physical Education/Health (722), Exercise/Fitness Management (717) or Physical Education - Recreation Management (716).

PHED 1432 - Techniques Of Teaching Skills/Activities I

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports and recreational activities appropriate to the teacher of physical education and the recreation specialist. Prerequisite(s): must be a major in Physical Education/Health or Physical Education - Recreation Management.

PHED 1462 - Techniques Of Teaching Skills/Activities II

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports, and recreational activities appropriate to the teacher of physical education. Prerequisite(s): must be a Physical Education/Health major (3140).

PHED 1492 - Techniques Of Teaching Skills/Activities III

This course will include instruction in skills, techniques, rules, teaching, and assessment in individual, team sports and recreational activities appropriate to the teacher of physical education. Prerequisite(s): must be a major in Physical Education/Health (3140).

PHED 1561 - Beginning Soccer & Volleyball

The course will include instruction and practice in the beginning skills, strategies, and rules of soccer and volleyball. P.E. activity credit.

PHED 1611 - Beginning Basketball & Softball

Beginning skills, strategy, rules and game experience in basketball and softball. P.E. activity credit.

PHED 1701 - Beginning Swimming

The course will include beginning instruction in self-rescue and basic swimming skills. Students will receive the American Red Cross certification upon successful completion of the course. P.E. activity credit.

PHED 1711 - Intermediate Swimming

This course is designed to learn, utilize, improve, and review new strokes taught including diving, turns, underwater swimming, and life-saving assists. Students will receive the American Red Cross certification upon successful completion of the course. P.E. activity credit.

PHED 1722 - Lifeguard Training

This course will prepare lifeguards to prevent accidents, manage aquatic facilities, and lifeguard a variety of aquatic areas. Prerequisite(s): At least fifteen years old with intermediate level swimming skills (front and back crawl, side stroke, breast stroke, and ability to swim 500 yards continuously), and standard first aid (with C.P.R.) certification.

PHED 1752 - Emergency Water Safety/Water Instruction

This course will prepare individuals to teach swimming lessons and basic water safety courses. Prerequisite(s): At least 17 years old with swimmer level skills (front and back crawls, side stroke, breast stroke, inverted breast stroke, ability to swim 500 yards continuously).

PHED 1761 - Beginning Tennis

This course includes the basic skills of tennis, rules interpretation, and game play. P.E. activity credit.

PHED 1771 - Intermediate Tennis

The course will include instruction and practice for stroke improvement, game strategies, and match play. P.E. activity credit.

PHED 1781 - Advanced Tennis

Continuation of PHED 1771. P.E. activity credit.

PHED 2000 - Topics In Physical Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 2013 - Introduction to Physical Education

This course is designed to give the prospective teacher of physical education/health insight into this area of specialization. Included are the historical, philosophical, psychological, and sociological principles of health, physical education and recreation with a survey and application of leadership skills required for the profession, latest research, and literature in the field.

PHED 2101 - Participation In Intercollegiate Sports

Five days per week in season. Maximum credit, four hours. P.E. activity credit.

PHED 2141 - Cross Country Track

Participation in cross country track. P.E. activity credit.

PHED 2301 - Beginning Bowling

This course is an introductory class designed to teach students the basic skills of bowling. Instruction will include the basic skills, etiquette, scoring, and terminology of bowling. P.E. activity credit.

PHED 2311 - Intermediate Bowling

This course is a continuation of PHED 2301, Beginning Bowling. League play and advanced forms of competition will be emphasized. Prerequisite(s): PHED 2301, or participation in league competition. P.E. activity credit.

PHED 2391 - Beginning Archery

This course will provide instruction, practice, and knowledge of rules, terminology, and equipment usage necessary for successful archery target shooting. P.E. activity credit.

PHED 2421 - Activities For Children With Disabilities

Instruction and participation in various activities designed for use by persons with such physical conditions as mental retardation, emotional disturbance, learning disabilities, sensory deficits, orthopedic involvement, neurological disturbance, dietary and general fitness.

PHED 2601 - Beginning Golf

The course will provide basic instruction in skills, rules, and etiquette that are necessary for playing and understanding the game of golf. P.E. activity credit.

PHED 2701 - Beginning Badminton

Introduction and progression in the basic skills of badminton-serve, forehand and backhand clears, smashes, drop shots and net strokes. Basic singles and doubles strategy and rules. P.E. activity credit.

PHED 2761 - Beginning Fencing

Knowledge and skill development in the basic techniques of foil fencing. Basic rules and strategy with limited experience in bouting. P.E. activity credit.

PHED 2771 - Intermediate Fencing

Intermediate and advanced skills in foil fencing, and beginning techniques in sabre and epee fencing for men. Emphasis on strategy and rules with extensive bouting experience. P.E. activity credit.

PHED 2792 - Rhythmic Movement for PK-12

This course provides the study and practice of the basic locomotor movements. This will include the qualities, elements and rhythms used in movement education for elementary age children, and the basic skills, rhythms, elements and qualities of dance for secondary students. The course will also include elements of organizing, managing and implementing large scale dance programs. Prerequisite(s): Enrollment open to Physical Education/Health majors only.

PHED 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHED 3012 - Physical Education For Elementary Education Majors

The purpose of this course is to provide the prospective elementary school teacher with information pertinent to the teaching and organizing of a sound, purposeful physical education curriculum. Prerequisite(s): Enrollment open to Elementary Education majors only with sophomore standing or above.

PHED 3023 - Adapted Physical Education

The purpose of this course is to develop competencies in the student for planning, developing, and implementing effective physical education programming for students with disabilities in grades K-12. In addition, information regarding specific disabling conditions will be disseminated to facilitate the student's understanding of disability, and how physical education can be used to ameliorate limitations within the student who has special needs. Prerequisite(s): Enrollment open to Physical Education/Health and Recreation Management majors only with junior or senior standing.

PHED 3112 - Motor Development

The study and practice of fundamental motor patterns within the context of developmental theory will be examined. The theoretical bases of motor development will be applied through practice of the sequential progression of skill in selected activities. Prerequisite(s): PHED 2012 and junior standing or above. Enrollment open to Physical Education/Health majors only.

PHED 3192 - Instructional Techniques for Movement

The purpose of Instructional Techniques for Movement is to assist physical education teacher candidates in acquiring the fundamental knowledge and skills needed to promote learning for P-12 students. Opportunities will be provided for teacher candidates to learn and practice the essential skills of effective instruction. Instruction will be provided to assist teacher candidates in developing the skills of reflective thinking, problem solving, and working with individuals with different cultural perspectives. Prerequisite(s): PHED 1402, 1432 and 1462 with junior standing or above. Enrollment open to Physical Education/Health majors only.

PHED 3303 - Physical Education In Elementary School

This course will include an examination of the methods and materials necessary for instructing, planning and managing a developmental physical education program in the elementary school. Prerequisite(s): Enrollment open to Physical Education/Health majors only with junior or senior standing.

PHED 3333 - Mechanical Principles/Analysis Of Movement

This course will provide a study of the application of the physical laws of motion in an analysis of musculoskeletal action. Emphasis will be placed on the relevancy of the anatomical basis as the focal point for mechanical concepts. Prerequisite(s): HLTH 3222 or 3223 or BIO 2504 or FNRL 2214.

PHED 3503 - Physiology Of Exercise

The course will examine the physiological effects of exercise, the responses and adaptations of body systems to exercise, the essentials of an adequate diet, and the function of nutrients in exercise. Prerequisite(s): HLTH 3222 or 3223 or BIO 2504 or FNRL 2214.

PHED 3522 - Fitness Applications for Physical Education

This course is designed to provide teacher candidates with the knowledge and skills used to effectively evaluate students in relation to nutrition, obesity, and other health indicators. A key focus of this course will be to implement innovative assessment and teaching techniques into the classroom setting that will focus on these specific areas of lifetime wellness. Prerequisite(s): PHED 2012.

PHED 3533 - Measurement-Evaluation In Health And Physical Education

The focus of this course is on the development of evaluation and measurement skills used by teachers and administrators of physical education. A major emphasis is placed on interpreting descriptive statistics, and developing test construction techniques. Students are given many opportunities to administer physical performance tests and to acquire knowledge about different grading techniques.

PHED 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 4103 - Theory Of Coaching Football

This course will cover various theories, methods and mechanics of coaching football, including consideration of fundamentals, rules, individual and team play, offensive and defensive formations and game strategy. Examples of practice and team organization, seasonal planning, staff organization and special teams will be explored.

PHED 4113 - Coaching Volleyball & Softball

A study of the organization and administration of coaching techniques in the sports of volleyball and softball including teaching and correctional procedures of the basic skills of the games, offensive and defensive strategies, interpretation of rules, and philosophical approaches to coaching the sports for both sexes at all age levels.

PHED 4122 - Theory Of Coaching Baseball

A study of the material considered essential to the successful coaching of the sport of baseball including a knowledge of the game itself, the various skills and techniques used, the game strategy, and the rules; and appreciation of baseball's place in the athletic program and the education system and the coach's responsibility to those programs; and an understanding of coaching staff organization, planning and duties.

PHED 4132 - Coaching Track & Field

A study of the fundamental conditioning, rules, objectives, specific skills, and training methods for track and field events including short and long distance running events, long jump, high jump, hurdling, pole vault, discus, shot and javelin.

PHED 4143 - Theory Of Coaching Basketball

This course is designed to provide prospective athletic coaches with a knowledge and skill introduction regarding the game of basketball. Emphasis is placed on organizational/management skills, coach/player relations, basketball rules/ terminology, fundamental skills, team offensive/defense, situational strategies, scouting, conditioning of players, and court maintenance.

PHED 4152 - Theory Of Coaching Wrestling

A course of study designed to develop the competencies essential to the successful coaching of wrestling. The focus is on conditioning/training activities, coaching techniques, competition strategies, equipment selection and modern coaching theories specific to the sport of wrestling.

PHED 4162 - Theory Of Coaching Soccer

A course of study designed to develop the competencies essential to the successful coaching of soccer. The focus is on conditioning/training activities, coaching techniques, competition strategies, equipment selection and modern coaching theories specific to the sport of soccer.

PHED 4202 - Theory Of Athletic Coaching

The course addresses the differences in levels of competitive sports, the personal roles that coaches should exhibit, the professional roles expected and the organizational influences on the world of a coach.

PHED 4212 - Officiating Football & Baseball

A study of the knowledge, skills, and techniques necessary to become a competent official in football and baseball including: rules interpretation, mechanics of officiating, pregame, game, and postgame procedures; purchase, care and official specifications of equipment needed for playing.

PHED 4232 - Organization & Administration Of High School Athletics

A study of the problems involved in the direction of high school athletics.

PHED 4303 - Methods For Teaching Physical Education In Secondary Schools

The purpose of this course is to provide the teacher candidate with the knowledge and experience necessary to apply proper disciplinary and pedagogical knowledge to the act of teaching. A variety of teaching styles and models will be explored in addition to administrative duties and responsibilities of the physical education teacher at the secondary level. Prerequisite(s): PHED 3303, PHED 3522 and PHED 3192; admission to Teacher Education program. Enrollment open to Physical Education/Health majors only.

PHED 4402 - Organization & Administration Of Health And Physical Education

A study of the organization and administration of physical education programs for the public schools.

PHED 4442 - Motor Learning

A study of the relationship of organismic and situational factors to the acquisition and performance of movement behaviors including generalized patterns and highly specific skills of sports and dance activities. The course deals with how persons learn movement skills; the interaction of cognitive, affective and psychomotor learning domains; application of learning theories to the skills of physical education and athletics. Prerequisite(s): HLTH 3223 & PHED 3333.

PHED 4712 - Psychology Of Sport

A study of the psychological factors affecting performance in sport from both the participant's and spectator's points of view.

PHED 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 4910 - Seminar In Physical Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHED 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHED 4930 - Individual Study

Credit varies from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans; conferences, oral and written reports. Prerequisite(s): Written permission of department chairman.

PHED 4950 - Internship

Credit will vary from 1 to 8 hours.

PHED 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHED 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

PHILOSOPHY (PHIL)**Department of Humanities & Philosophy****PHIL 1103 - Logic And Critical Thinking**

Consideration is given to the requirements of correct reasoning with special emphasis on informal fallacies, syllogistic forms, and the analysis of extended arguments.

PHIL 1113 - Introduction To Philosophy

This course is a general introduction to the major areas of philosophical study. Students will be provided with the opportunity to begin their own critical analysis of their philosophical beliefs.

PHIL 1123 - Contemporary Moral Problems

The course requires the student to engage in reflective thought about moral problems chiefly by introducing them to basic issues in moral philosophy by means of readings from the past and present.

PHIL 2000 - Topics In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 2073 - Social & Political Philosophy

This course introduces the student to the major theories of social justice and their implications for selected areas of public policy. Attention will be given to theories of natural law, social contract, and a variety of philosophical problems.

PHIL 2153 - Ancient Philosophy

Ancient Philosophy is a survey of the history of Western philosophy from its beginnings to the end of the ancient period. Particular emphasis will be placed on the contributions of the Greeks to the core areas of philosophy. Prerequisite(s): ENG 1113 and 3 hours of philosophy.

PHIL 2173 - Medieval Philosophy

Medieval Philosophy is a survey of the history of philosophy in the West from the end of the ancient period until the Renaissance. Prerequisite(s): ENG 1113 and 3 hours of philosophy.

PHIL 3000 - Workshop In Philosophy

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHIL 3013 - Philosophy of Law

Philosophy of Law is a study of historical and contemporary approaches to primary issues in the philosophy of law. Some of the positions studied in this course typically include legal positivism, legal absolutism, legal relativism, legal realism, and natural law. Some of the primary issues that are typically covered are the foundations of law, definitions of law, the relationship between law and ethics, legal reasoning, justice, liability, etc. Prerequisite(s): ENG 1213 and 6 hours of philosophy.

PHIL 3103 - Ethical Theory

Examines the major systems of ethical thought. It will attempt to state and evaluate various principles for dealing with ethical problems. Prerequisite(s): 3 hours of philosophy.

PHIL 3123 - Aesthetics

Essentially a "philosophy of art", the course will inquire into the nature of the aesthetic experience, theories of taste, the ontic status of aesthetic value, and it will investigate the legitimacy of various criteria used in criticism of the arts. Prerequisite(s): Junior or senior standing.

PHIL 3133 - Modern Philosophy

Modern philosophy is a survey of the western world from the Renaissance to Kant. Particular attention is paid to the development of rationalism and empiricism. Prerequisite(s): 6 hours of philosophy.

PHIL 3143 - Philosophy Of Religion

The focus of the course is on contemporary philosophical problems in religious thought. Among the issues to be treated are: survival of religion in the 20th century; God and history; theism vs. humanism; the problems of religious language; and atheism vs. a new theism. Prerequisite(s): 3 hours of philosophy.

PHIL 3153 - American Philosophic Thought

American Philosophic Thought is a study of the major philosophical movements which have originated within the United States. Special emphasis is placed upon the development of pragmatism. Prerequisite(s): 6 hours of philosophy.

PHIL 3163 - Contemporary Philosophy

Contemporary Philosophy examines the major philosophers and philosophical movements of the twentieth and twenty-first centuries. Prerequisite(s): 3 hours of philosophy.

PHIL 3173 - Nineteenth Century Philosophy

Nineteenth Century Philosophy is a survey of the major figures and movements in philosophy from the time of Kant until that of Nietzsche. Particular attention is devoted to Idealism, Utilitarianism, Positivism, and Marxism. Prerequisite(s): 3 hours of Philosophy.

PHIL 3203 - Philosophy Of Emotion

Philosophy of Emotion enables students to reflect on and critically evaluate different concepts, theories, and analyses of emotion, from the time of Aristotle to the present. Special attention will be given to current philosophical debates. Prerequisite(s): 3 hours of philosophy.

PHIL 3213 - Inductive Reasoning

An inquiry into such matters as probability, casual relationships, methods in formulating and verifying hypotheses, and related issues in inductive reasoning and investigation. Prerequisite(s): 3 hours of philosophy.

PHIL 3223 - Criminal Justice Ethics

This course is an examination of ethical dilemmas which arise for criminal justice professionals. Prerequisite(s): Junior or senior standing.

PHIL 3233 - Philosophy of Games

Philosophy of Games provides an overview of the ideas of several major western philosophers about the fundamental nature of games and the significance of gameplay to human life. Students will also be introduced to the basic concepts of game theory and some of its uses in economics, political theory, and ethics. Prerequisite(s): Three hours of philosophy and sophomore standing or above.

PHIL 3303 - Metaphysics

This course is an examination of classic and contemporary metaphysics, including the nature of universals, identity, realism/antirealism, mild, causation, freedom and determinism, the nature of time, plus other topics to be determined by the instructor. Prerequisite(s): 6 hours of philosophy.

PHIL 3323 - Philosophy of Music

Philosophy of Music will be an overview of fundamental philosophical questions about the nature of music and our responses to music. The most important areas of speculation and an understanding of some

of the most significant proposed answers to long-standing questions will be addressed. Prerequisite(s): 3 hours of Philosophy.

PHIL 3403 - Theory Of Knowledge

This course provides an overview of contemporary epistemology. Epistemology inquires into the nature of knowledge and the justification of belief. Topics to be covered include skepticism, perception, and priori knowledge, the foundationalism-coheretism debate, and the internalism-externalism controversy. Prerequisite(s): 3 hours of philosophy.

PHIL 3513 - Biomedical Ethics

An investigation of the ethical issues associated with the practice of medicine and the pursuit of medical research. Professional codes, euthanasia, confidentiality, and experimentation with human subjects are discussed. Prerequisite(s): Junior or senior standing.

PHIL 3533 - Dying And Death

The course inquires into a variety of topics centrally related to death and dying as unavoidable aspects of the human condition. Attention is also given to questions of human value and meaning that arise from our attitudes and treatment of the dying as well as funeral customs and care for the "survivors" of another's death. Prerequisite(s): Junior or senior standing.

PHIL 3883 - Philosophy Of Mind

This course is a study of representative classic and contemporary topics in philosophy of mind, such as the mind-body problem, varieties of dualism and materialism, epiphenomenalism, behaviorism and other forms of reductionism, as well as lasting puzzles about the mind pertaining to intentionality, artificial intelligence, qualia, and subjectivity. Prerequisite(s): 6 hours of philosophy.

PHIL 3990 - Advanced Topics In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 4163 - Philosophy Of Science

Pursues the philosophical implications of various principles and ideas in the sciences, and raises critical questions regarding assumption, hypothesis, and scientific method. Prerequisite(s): 6 hours of philosophy.

PHIL 4183 - Philosophical Issues In Social Science

An in-depth discussion of specific philosophical issues in some area of the social sciences such as the nature of psychological explanation or the covering law model of historical explanations. Specific topics may be changed, but the course will always spend the first half of the semester on the question of the science in social science. Prerequisite(s): 6 hours of philosophy.

PHIL 4203 - Women And Values

This course focuses on philosophical and SOC-cultural perspectives on women and women's issues from the time of Plato to the present. Issues will be addressed from a standpoint that incorporates applied ethical analysis of justice, rights, and equality as these items have concerned women. Prerequisite(s): 3 hours of philosophy.

PHIL 4213 - Philosophy Of Fiction

This course familiarizes students with issues in the philosophy of literature (and, more broadly, fiction), including reader/viewer response, interpretation, evaluation, and the question of moral significance. Prerequisite(s): 6 hours of philosophy.

PHIL 4233 - Philosophy of Language

Philosophy of Language is a study of contemporary issues in the discipline, including the nature of truth and reference, the distinction between analytic and synthetic propositions, the verification principle, the epistemic status of linguistic knowledge, and the plausibility of skepticism about meaning and interpretation. Prerequisite(s): ENG 1213, six hours of philosophy and sophomore standing or above.

PHIL 4503 - Symbolic Logic

The course will begin with the logic of syntax, followed by an analysis of truth-functional compound statements and truth tables. A variety of proof procedures applicable to deductive arguments will be investigated and used, including formal and indirect proofs. Propositional functions and the use of quantifiers, the logic of relations, and finally, a study of the nature of deductive systems will complete the course.

PHIL 4513 - Philosophical Writing

Philosophical Writing is a capstone course for the philosophy major. In the course, majors will bring together the philosophical skills they have learned in their previous courses and apply them to a series of deeply intellectual problems. Prerequisite(s): Enrollment is open to Philosophy majors with senior standing.

PHIL 4900 - Practicum In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 4910 - Seminar In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 4920 - Workshop In Philosophy

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHIL 4930 - Individual Study In Philosophy

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHIL 4940 - Field Study In Philosophy

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PHIL 4950 - Internship In Philosophy

Credit will vary from 1 to 8 hours.

PHIL 4960 - Institute In Philosophy

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHIL 4970 - Study Tour In Philosophy

Credit will vary. Subject matter will vary within the department's field of study.

PHYSICS (PHY)

Department of Engineering and Physics

PHY 1003 - Introduction To Physics

This is a survey course in the fundamentals of mechanics, thermophysics, electricity, magnetism, sound and optics for students who desire a one semester course in physics. The course is not in the physics major sequence. Prerequisite(s): 2 years of high school algebra.

PHY 1011 - University Physical Science Laboratory

This laboratory accompanies University Physical Science.

PHY 1014 - University Physical Science

This lecture-demonstration course is designed to assist students to interpret their physical environment through the study of important topics in astronomy, chemistry, geology, physics. The course is not acceptable for the Engineering Physics major or minor and is not designed for the teaching certificate. Credit may not be earned for both PHY 1014 and PHY 1024.

PHY 1024 - University Physical Science w/Laboratory

This lecture-laboratory course is designed to assist students to interpret their physical environment through the study of important topics in astronomy, chemistry, geology, and physics. The course is not acceptable for the Engineering Physics major or minor and is not designed for the teaching certificate. Credit may not be earned for both PHY 1014 and PHY 1024. PHY 1024L must be taken concurrently.

PHY 1024L - University Physical Science Laboratory

This laboratory accompanies University Physical Science, PHY 1024.

PHY 1101 - General Physics I Laboratory

This laboratory accompanies PHY 1113 and includes selected experiments in mechanics, waves, heat, and thermodynamics. Prerequisite(s): MATH 1593, PHY 1113 or concurrent enrollment in PHY 1113. This course will be replaced by PHY 1114L.

PHY 1114 - General Physics I & Laboratory

This course is the first in a two-semester introduction to physics. This course covers the fundamentals of mechanics, waves, heat, and thermodynamics. Laboratory experience is a principal component of this course. Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114L.

PHY 1114L - General Physics I Laboratory

This is the laboratory to accompany PHY 1114. Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114.

PHY 1201 - General Physics II Laboratory

This laboratory accompanies PHY 1213 and includes selected physics experiments in electricity, magnetism, and optics. Prerequisite(s): PHY 1213 or concurrent enrollment in PHY 1213. This course will be replaced by PHY 1214L.

PHY 1214 - General Physics II & Laboratory

This course is the second in a two-semester introduction to physics. The course covers the fundamentals of electricity, magnetism, electromagnetic waves and optics. Laboratory experience is a principal component of this course. Prerequisite(s): PHY 1114 & 1114L and concurrent enrollment in PHY 1214L.

PHY 1214L - General Physics II Laboratory

This course is a laboratory to accompany PHY 1214. Prerequisite(s): PHY 1114, 1114L and concurrent enrollment in PHY 1214.

PHY 1304 - Descriptive Astronomy

Descriptive Astronomy is a beginning course in astronomy. Included are topics such as historical astronomy, laws of motion, gravitation, the nature of light, stars, H-R diagrams, galaxies, the solar system, and cosmology with emphasis on why we believe what we think we know about the universe.

PHY 2000 - Topics In Physics

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

PHY 2014 - Physics For Science & Engineering I & Laboratory

This course is the first in a two-semester calculus-based introduction to physics, and covers the fundamentals of mechanics, waves, heat, and thermodynamics. Laboratory experience is a principal component of this course. Prerequisite(s): PHY 1003 or High School Physics and departmental permission; MATH 2323 (or concurrent enrollment; or MATH 2305 (or concurrent enrollment). Concurrent enrollment in PHY 2014L and PHY 2014D are required.

PHY 2014D - Physics for Science & Engineering I Drill

This drill session accompanies PHY 2014 and provides directed problem solving in mechanics, waves, heat, and thermodynamics. Prerequisite(s): Concurrent enrollment in PHY 2014 is required.

PHY 2014L - Physics For Science & Engineering I Laboratory

This laboratory course accompanies PHY 2014 and provides experiments in mechanics, waves, heat, and thermodynamics. Concurrent enrollment in PHY 2014 is required.

PHY 2114 - Physics For Science & Engineering II & Laboratory

This course is the second in a two-semester calculus-based introduction to physics, and covers the fundamentals of electricity, magnetism, and optics. Laboratory experience is a principal component of this course. Prerequisite(s): PHY 2014, MATH 2333 or concurrent enrollment in MATH 2333. Concurrent enrollment in PHY 2114L and PHY 2114D are required.

PHY 2114D - Physics for Science & Engineering II Drill

This drill session accompanies PHY 2114 and provides directed problem solving in electricity, magnetism, and optics. Prerequisite(s): Concurrent enrollment in PHY 2114 is required.

PHY 2114L - Physics For Science & Engineering II Laboratory

This laboratory course accompanies PHY 2114 and provides experiments in electricity, magnetism, and optics. Concurrent enrollment in PHY 2114 is required.

PHY 3000 - Workshop In Physics

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHY 3014 - Earth Science

Earth science is a lecture course emphasizing the new geology with the theory of plate tectonics as the central theme in the explanation of the traditional topics of the earth sciences. Prerequisite(s): PHY 1014 or PHY 1024 or a course in physics or chemistry.

PHY 3044 - Medical Physics And Laboratory

The application of physics to the field of medicine is presented. Topics covered will include mechanics of anatomical structure, optics of the eye, acoustics of hearing, electromagnetism and neurology, fluid flow within the heart and circulatory system, applications of radiation to medical diagnosis and therapy, and radiation safety. Concurrent enrollment in PHY 3044L is required. Prerequisite(s): PHY 1214 (previously 1213 & 1201).

PHY 3044L - Medical Physics Laboratory

This is a laboratory that accompanies PHY 3044.

PHY 3054 - Introduction To Modern Physics & Laboratory

This course provides an introduction to areas in physics beyond those covered in General Physics I and II focusing primarily on the fields of relativity and quantum theory. Topics in relativity include aspects of the special theory and an introduction to space-time curvature and black holes. Topics in quantum theory include atoms, molecules, solids, nuclei, elementary particles and radioactivity. A laboratory experience is a principal component of this course. The course is not intended for students majoring in Physics or Engineering. Prerequisite(s): PHY 1214. Concurrent enrollment in PHY 3054L is required.

PHY 3054L - Introduction To Modern Physics Laboratory

This course comprises the laboratory component of PHY 3054. Concurrent enrollment in PHY 3054 is required.

PHY 3103 - Modern Physics

This course presents an introduction to topics in physics which have developed primarily since about 1900. These topics include special relativity, quantum mechanics, and the physics of atoms, molecules, solids, and nuclei. Prerequisite(s): PHY 2114 with a minimum grade of "C" and MATH 3103 or concurrent enrollment in MATH 3103.

PHY 3503 - Elementary Meteorology

The elements and principles of meteorology as related to weather are presented. The course employs the principles of physics for the interpretation of weather along with charts, instruments, etc., for weather observation and forecast. Prerequisite(s): GENS 1104 or 1204 or PHY 1114 (previously 1113 and 1101).

PHY 3883 - Mathematical Physics I

This course applies higher-level mathematics to problems in physics and engineering. Applications of vector analysis, multivariable calculus, matrix algebra, complex numbers, Fourier series, and differential equations are presented. Prerequisite(s): PHY 2114 and MATH 2343.

PHY 3990 - Advanced Topics In Physics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 4003 - Mathematical Physics II

A continuation of PHY 3883, this course discusses in more depth the mathematical preparation required for solutions to boundary value problems found in electrostatics, mechanics, heat transfer, quantum mechanics, and acoustics. The mathematical topics may include curvilinear coordinates, Fourier analysis, Fourier transforms, partial differential equations, Green's functions, and excursions into tensor analysis, and group theory. Prerequisite(s): PHY 3883 and MATH 3103.

PHY 4101 - Nuclear Radiation Laboratory

The equipment and techniques of nuclear radiation detection and measurement are presented. Radiation experiments basic to radioisotope chemistry, radiation biology, nuclear medicine, and health physics are emphasized. This course is designed for students in chemistry, biology, and medicine, as well as those in engineering and physics. Prerequisite(s): PHY 3103 or concurrent enrollment.

PHY 4163 - Analytical Mechanics

This course provides an introduction to particle dynamics in one, two, and three dimensions. Analytic and numerical problem solving techniques are applied to the study of time- and velocity-dependent forces, harmonic oscillators, oscillating systems, and central forces. Prerequisite(s): PHY 3883 with a minimum grade of "C".

PHY 4173 - Classical Mechanics

In this course variational formulations of mechanics including Lagrangian and Hamiltonian methods will be introduced and applied to classical systems. Topics covered will include small oscillations and normal modes, rotation of rigid bodies, non-inertial reference frames, Poisson brackets, Kepler problem and scattering theory. Prerequisite(s): PHY 4163.

PHY 4203 - Quantum Mechanics

A rigorous introduction to the fundamental theory and calculation techniques of quantum mechanics is presented. The Schrodinger wave equation formulation will be emphasized and used to solve the harmonic oscillator, hydrogen atom, quantum well, and other potentials. Prerequisite(s): PHY 3104 and nine additional hours of Physics 3000 level or above, and MATH 3103.

PHY 4303 - Nuclear Physics

An introduction to the physics of the nucleus and elementary particles is presented. Basic models of nuclear structure, nuclear interactions, and nuclear reactions will be emphasized. The families of elementary particles and their interactions along with the quark model will be introduced. Prerequisite(s): 9 hours above PHY 2114.

PHY 4403 - Solid State Physics

The purpose of this course is to acquaint the students with the fundamental physics of solids. Emphasis is placed on crystal lattices, elastic scattering of waves, bonding, atomic vibrations, electron states,

dielectric and optical properties, and semiconductors. Prerequisite(s): 9 hours above PHY 2114.

PHY 4801 - Physics Capstone

This course provides a capstone experience in physics. Students will complete a number of projects designed to integrate the sum of their physics knowledge. Prerequisite(s): Written permission required.

PHY 4900 - Practicum In Physics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 4910 - Seminar In Physics

Credit will vary from 1 to 4 hours. Advanced semi-independent study of selected problems from one of the various fields of physics. May be repeated for credit to a total of 4 hours. Emphasized for students planning graduate study.

PHY 4920 - Workshop In Physics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PHY 4930 - Individual Study In Physics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PHY 4950 - Internship In Physics

Credit will vary from 1 to 8 hours.

PHY 4960 - Institute In Physics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PHY 4970 - Study Tour In Physics

Credit will vary. Subject matter will vary within the department's field of study.

**POLITICAL SCIENCE (POL)
Department of Political Science**

POL 1113 - American National Government

An introductory analysis of the origin, structure, and functions of the United States national government.

POL 1203 - State And Local Government

This course is an introductory study of the governmental system and political environment of the American state and its subdivisions with emphasis on Oklahoma state government.

POL 1303 - Contemporary Political Issues

This course is a study of significant contemporary political issues emphasizing events occurring at the time the course is offered.

POL 2000 - Topics In Political Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 2013 - Political Science Statistics

Political Science Statistics provides a basic introduction into micro-computer-based applications and methodological techniques relevant to political science. No prior knowledge of computing or statistics is required.

POL 2103 - Elements Of Political Science

This course is an analysis of fundamental political concepts and issues, such as sovereignty, freedom, and law; and an introduction to political science literature and elementary research methods.

POL 2203 - Introduction To Law

This course is a study of the development of law in western civilization, with emphasis on the Anglo- American legal system.

POL 2213 - Campaigns And Elections

This course analyzes the theory and reality of election campaigns, with an emphasis upon the practical aspects of modern election campaigning.

POL 2303 - Introduction To World Politics

An analysis of the structure of the international system and sources of international influence, and a description of types of international conflict and cooperation, such as wars, crises, arms races, alliances, international organizations, and arms control.

POL 2413 - Introduction To Public Administration

This course surveys concepts and problems of public administration with emphasis on development of organizations, personnel, and finance.

POL 2623 - Applied Research in Public Administration

Applied Research in Public Administration examines research strategies and skills applicable to public administration. Students learn research design, basic statistics, and develop skills in forecasting, decision analysis, cost-benefit analysis, and the use of other quantitative and qualitative analysis tools. Prerequisite(s): POL 2413.

POL 2713 - Introduction To Comparative Politics

This course is a study of the differences among political systems and political cultures; emphasizing the major characteristics of democratic and authoritarian political systems, and the merits of comparative analysis.

POL 3000 - Workshop In Political Science

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

POL 3103 - Constitutional Law-Governmental Powers

In this course, students will examine the constitutional origins of governmental powers and, more importantly, how the U.S. Supreme Court has decided to convey, construe, and confound them. Students will consider the following topics: judicial review, presidential powers, legislative authority, federalism, interstate commerce, and the police powers of the state. Prerequisite(s): ENG 1113 and 1213.

POL 3203 - Civil Liberties And The Courts

This course is an analysis of the U.S. Constitution as interpreted by federal courts, emphasizing constitutional limitations on governmental action, particularly with respect to civil liberties. Prerequisite(s): ENG 1113 and 1213.

POL 3263 - International Law

This course is a case book and materials approach to the development and present content of international law based upon court cases, treaties, custom, and the writings of eminent jurists. Prerequisite(s): Sophomore standing.

POL 3313 - Municipal Management/Politics

This course is a study of the administrative and political environment of municipal governments in the United States with emphasis on Oklahoma municipalities. This course replaces POL 3303 and 3403.

POL 3343 - Administrative Law

This course is intended to acquaint students with constitutional concepts and case law that is relevant to federal employment and service delivery. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 3543 - Public Service Human Resource Management

This course is a study of the nature and significance of government administration in modern democracy, emphasizing principles, problems, processes and procedures pertaining to the management of personnel.

POL 3583 - Urban Government And Policy

This course is a study of the proposed solutions for the intergovernmental problems of urban and metropolitan areas. Prerequisite(s): Junior standing.

POL 3613 - Constitution & Criminal Procedure

Constitution & Criminal Procedure covers the constitutional boundaries, established by the Supreme Court, for gathering evidence at a crime scene, questioning witnesses/suspects, arresting suspects, and seizing evidence as well as the constitutional rights of the accused at trial. Prerequisite(s): ENG 1113 and 1213.

POL 3623 - Espionage And Intelligence

This course studies the means by which national governments collect and analyze information about the actions and intentions of foreign governments and other international entities. Also included are government efforts to influence political events abroad and to prevent foreign penetration of intelligence services. Prerequisite(s): ENG 1113 and 1213.

POL 3813 - Women And Politics

This course will focus on the political status of women from a comparative perspective. The specific aim of the course is to examine the changing roles of women in recent history, the political and cultural impetuses behind these changes, and how these changes (or absence of change) have affected the lives of women in different political and cultural settings. Prerequisite(s): Junior standing.

POL 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

POL 4023 - Chinese Politics

This course is an analysis of the political system of the People's Republic of China, with emphasis on the individual, groups, and governmental institutions which exert major influence upon policy making. Prerequisite(s): Junior standing.

POL 4103 - American Political Parties

This course will examine the roles played by political parties in American politics, including their impacts upon political mobilization, coalition-building, and voting. Prerequisite(s): Junior standing.

POL 4123 - The Congress

This course is designed to introduce the student to the first branch of government. It will evaluate Congress, its functions, relationships, members, and organization in order to determine whether it achieves the purpose for which it was created. Prerequisite(s): Junior standing.

POL 4133 - Judicial Process

In this course students will examine the role of the courts in the American political system. The structures of the state and federal court systems, the civil and criminal court processes, the various actors participating in the courts, and the processes through which the courts set their agendas and decide cases will also be evaluated. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4203 - Public Opinion

This course is a study of public opinion and the techniques of mass media and propaganda in a democratic society, including its measurement and evaluation with particular reference to the role of interest groups. Prerequisite(s): Junior standing.

POL 4213 - Political Sociology

This course is an examination of extremism and political deviancy, emphasizing the causes and sociological implications of political extremism. Credit will not be granted if the student has earned credit in SOC 4213. Prerequisite(s): Junior standing.

POL 4223 - Election Forecasting

This course analyzes elections at the national and state levels in order to assess attitudinal trends within the electorate. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4233 - Political Forecasting

This course is an analysis of techniques that are commonly used in forecasting political events. The emphasis is on statistical modeling. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4253 - Ethics In Public Service

A course designed to give students an understanding of ethical dilemmas in administrative agencies, emphasizing legislation, cultural and religious influences, agency dynamics, professional codes, and democratic theory. Prerequisite(s): POL 1113.

POL 4263 - The Media And Politics

This course examines the role of the media in politics, including how the various media outlets (print and electronic) cover American political institutions. It will also explore the impact of the media on political campaigns, with specific attention given to the role of television, campaign commercials, and public opinion polls. This course will also examine the political and social messages communicated by the entertainment media, and the responses to these messages from other sectors of American society. Prerequisite(s): Junior standing.

POL 4303 - European Politics

This course is an analysis of political developments in Europe emphasizing state structures, intergovernmental relations, and regional political dynamics. Prerequisite(s): Junior standing.

POL 4323 - Middle East Politics

Middle East Politics examines selected aspects of politics in the Middle East, with particular emphasis on current changes in Middle Eastern politics and world affairs. The objective of this course is to introduce students to the domestic politics and the external factors that have influenced Middle Eastern countries and their relations with the outside world. Topics of discussions may include religions, cultures, ideologies, colonialism, modernization and democratization, nationalism, ethnicity and social movements, foreign policymaking and the status of women in the modern Middle East. Prerequisite(s): Junior standing or above.

POL 4403 - Asian Politics

This course is a study of the institutions and policymaking processes of within the political systems of several major countries in Asia. Prerequisite(s): Junior standing.

POL 4413 - Public Policy Analysis

This course surveys methods of analyzing issues of public policy on the national, state, and local levels. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4423 - Environmental Politics

This course reviews how the political system treats and responds to environmental issues such as environmental health and safety, resource scarcity, and natural esthetics. It will also examine how the political system responds to these pressures and how pro- and anti-environmental groups exert their political influence. The social and economic circumstances which provoked the emergence of the environmental movement will also be reviewed. Prerequisite(s): Junior standing.

POL 4443 - Cases in Public Administration

Cases in Public Administration will analyze contemporary issues and cases related to bureaucratic structure, behavior, personnel, and resources. Emphasis on case studies. Prerequisite(s): Junior standing.

POL 4453 - Ancient & Medieval Political Thought

This course is a survey of the development of political thought from its earliest recorded origins, through the Greeks, and ending with

synthesis of Greek and Christian doctrines in medieval scholasticism. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4463 - Public Finance And Budgeting

This course is an introduction to public service finance and budgeting systems including revenue sources, budget cycle and process, capital budgeting, debt financing, intergovernmental financing methods, budget implementation, and ethical issues. Prerequisite(s): Junior standing.

POL 4493 - Modern Political Thought

This course is a survey of the major figures in modern political thought from Machiavelli to the present. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4523 - Public Program Evaluation

Public Program Evaluation will develop students' skills in quantitative program evaluation. Students will study a variety of evaluation designs, including random assignment and quasi-experimental methods, and analyze data from actual evaluations. Strengths and weaknesses of alternative evaluation methods are emphasized. This course prepares students to use a diverse set of tools for assessing the impact of public interventions. Prerequisite(s): POL 2623 and junior or senior standing.

POL 4543 - International Cooperation

This course surveys the various institutions and mechanisms that contribute to the dynamics of international relations. Topics include: the roles played by international organizations and transnational actors; the theoretical contributions of regime and hegemonic stability theory; and the influence of human rights and ethnic identity. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4603 - Intergovernmental Relations

This course is an exploration of the relationships among the federal, state, metropolitan, and local units of government. Current trends, issues, administrative structures and procedures are emphasized. Prerequisite(s): Junior standing.

POL 4623 - International Conflict

This course is a comparative study of security challenges facing the international community in the post-Cold War period. Consideration will be given to such factors as the nature of state security, strategic and conventional weapons proliferation, regional military balances, and economic interdependence. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4633 - Politics And The World Economy

This course is an analysis of the political aspects of international trade, foreign investment, and international finance emphasizing government influences in each area. Prerequisite(s): Junior standing.

POL 4643 - Survey Of American Political Thought

This course is a survey of main currents in American political thought from Puritanism to the present. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4673 - Islam and Politics

Islam and Politics examines aspects of the general relationship between Islam and politics in modern world affairs. It explores diversities within and among Islamic societies, and highlights differences between Islamic movements and trends affiliated with both mainstream political Islam and Islamic radicalism. The course will cover issues concerning debates on Islam and democracy, the persistence of authoritarianism in Arab and Muslim societies and controversies surrounding the relationships between Islamic and Western values and societies. Prerequisite(s): Junior standing or above.

POL 4693 - State Administration

This course is a study of the administrative institutions, policy making processes, and political environment of state government. The course emphasizes theory and practice. Prerequisite(s): Junior standing.

POL 4733 - American Foreign Policy

This course is a survey of the major approaches to understanding the sources of American foreign policy, including the roles played by Congress, the president, the foreign policy establishments, and the courts. Readings will focus on selected policy areas of contemporary significance. Prerequisite(s): Junior standing.

POL 4773 - The Presidency

This course is the study of the presidency in law and practice; its relationship to Congress, the public, the party structure and the administrative establishment; and its responsibilities in foreign and military affairs. Prerequisite(s): Junior standing.

POL 4783 - Political Violence

This course is an analysis of the varieties and significance of political violence in domestic and international politics. Topics include revolution, terrorism, state-sponsored violence, and low-intensity conflicts. Prerequisite(s): Junior standing.

POL 4823 - Religion And Politics

Religion expresses transcendental ideals of human existence, while politics is the art of the possible. How do the two co-exist? This course addresses the relationship between religious belief and practice and the demands of politics. Prerequisite(s): ENG 1113 and 1213. Junior standing.

POL 4900 - Practicum In Public Service

Credit will vary from 1 to 4 hours. May be taught as an individual study or as a practicum. This course is offered for those who are training for public service and is designed to assure approved work experience. Prerequisite(s): Senior standing and program advisor's approval.

POL 4910 - Seminar In Political Science

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

POL 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

POL 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

POL 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

POL 4950 - Internship

Credit will vary from 1 to 8 hours.

POL 4960 - Institute In Political Science

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

POL 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

POL 4993 - Democratic Governance

This is the capstone course for political science majors. Themes and topics addressing the scope and operation of politics within democratic societies will be critically examined. Prerequisite(s): ENG 1113 and 1213. Senior standing.

PSYCHOLOGY (PSY)**Department of Psychology****PSY 1103 - General Psychology**

This course is a comprehensive survey of the major academic subdivisions within the field of psychology. Special emphasis is placed on developing an introductory understanding of current psychological terminology and reference studies.

PSY 1123 - Careers in Psychology

A course designed to acquaint the beginning student with an overall preview of the science and profession. The various career opportunities open to the psychology major are explored.

PSY 1203 - Personal Adjustment

This course examines how psychology can be applied to everyday life to help people cope with problems and optimize their developmental potential as they face the challenges of a rapidly changing world.

PSY 2000 - Topics In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 2103 - Social Psychology

This is a survey course of psychological research that examines the role of the individual in society and the effects of social interactions on individual behavior. Prerequisite(s): PSY 1103.

PSY 2523 - Writing for Psychology

This course is designed to provide students with direct experience in analyzing, producing, and evaluating field-specific psychological writing. Using process-based writing approaches, this course provides students with both exposure to discipline-specific writing and practice with generating their own written discourses. Prerequisite(s): PSY 1103 and 1123. Concurrent enrollment in PSY 2753 is required. Enrollment open to psychology majors and minors only.

PSY 2743 - History Of Psychology

A survey of the development of psychology from earliest times to the present. Emphasis is placed on developments since the establishment of the first psychological laboratory in 1879. Prerequisite(s): PSY 1103 or PSY 2703.

PSY 2753 - Psychological Statistics

This course provides an introduction to descriptive and inferential, parametric and non-parametric statistical techniques used in psychological research, including measures of central tendency, variability, correlation, regression analysis, hypothesis testing, t-tests, Chi-square and simple analysis of variance. Prerequisite(s): PSY 1123 and 1103, concurrent enrollment in PSY 2523 required. Enrollment open to psychology majors and minors only.

PSY 2833 - Developmental Psychology

This is a theoretical and research based course covering the social, emotional, physical, and cognitive aspects of human development throughout the life-span. The course will also encourage students to develop an understanding of the potential applications of developmental theory and knowledge. Prerequisite(s): PSY 1103. This course replaces PSY 4433.

PSY 3000 - Workshop In Psychology

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PSY 3033 - Sensation Perception & Action

This introductory level course encourages the active discovery of the basic principles, vocabulary and methods that constitute this sub-area of experimental psychology. The emphasized topics are: biological

bases, basic results, philosophical background, historical background, methodology, the role of technology, and how we become aware of, interpret and respond to stimuli within our environment. Students will explore how these topics influence their own relationship to the world. Prerequisite(s): PSY 2523 and PSY 2753 with junior or senior standing. Enrollment open to psychology majors and minors only.

PSY 3713 - Advanced Statistics: SPSS

This course provides an introduction to the use of the statistical package for social sciences to study correlation and regression, power, analysis of variance from simple one-way analysis of variance through higher order factorials, including between subjects designs, mixed designs, nested designs, multiple comparisons among treatment means, magnitude of experimental effect, and other advanced topics such as analysis of covariance, multiple regressions, and log-linear analysis. Prerequisite(s): PSY 2753.

PSY 3833 - Experimental Psychology

Experimental Psychology is a concentrated study of research methodology in the context of actual research topics. Emphasis is on the content of experimental psychology, using examples to illustrate the various methods of seeking knowledge. Prerequisite(s): PSY 3713. Enrollment open to psychology majors and minors only with junior standing or above.

PSY 3863 - Psychological Measurement

This course focuses on the use of the computer as a measurement device in psychological research. Students will acquire the necessary computer programming and word processing skills necessary for the development and use of psychological tests. Prerequisite(s): PSY 1103 and 2753.

PSY 3883 - Principles Of Organizational-Industrial Psychology

A course designed to acquaint students with the principles, practices, and problems in organizational and industrial psychology. Emphasis is placed on how psychology can aid in career decisions and how the findings of industrial and organizational psychology will directly influence the student's life as job applicant, employee, manager, and consumer. Prerequisite(s): PSY 1103 and junior standing or above.

PSY 3903 - Biological Psychology

This course explains behavior in terms of physiological processes. There is a heavy emphasis on the brain-behavior relationship. Prerequisite(s): PSY 2523 (or written permission) and PSY 2753 and junior standing or above. Enrollment open to psychology majors and minors only.

PSY 3990 - Advanced Topics In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 4213 - Motivation & Emotion

Motivation & Emotion is designed to familiarize students with basic motivational and emotional processes as well as their applications in research and daily life. The content of this course will reflect research in approximately five topical areas: (a) basic motivation concepts, (b) theories of human behavior, (c) basic emotions (d) underlying physiological and neurological processes and (e) social and cultural concepts as they apply to motivation and emotion. Prerequisite(s): Senior standing or above. Enrollment open to psychology majors and minors only.

PSY 4393 - Cognitive Psychology

This course involves the study of how humans perceive and process information which includes such topics as perceptions, pattern recognition, attention, memory, imagery, language, cognitive development, thinking, creativity, problem solving, and artificial intelligence. Prerequisite(s): PSY 1103 and junior standing or above.

PSY 4553 - Comparative Psychology

This course is a survey of behavioral processes in different species using the comparative method and including psychological, ecological, and evolutionary influences on behavior. Prerequisite(s): PSY 1103 and PSY 3903 or three hours of biology. Junior standing or above.

PSY 4623 - Theories of Personality

This course examines how different theories and approaches conceptualize and assess personality. The course will discuss the primary approaches to understanding personality: psychodynamic, biological/evolutionary, behavior/social learning, trait, humanistic, and cognitive. For each approach, the course will review the origins of the theoretical approach, discuss the approach's assumptions about personality, and examine examples of related research. Prerequisite(s): PSY 1103 and PSY 1123. Enrollment open to Psychology majors only with senior standing.

PSY 4753 - Abnormal Psychology

This course is a survey of the development of modern views of abnormal behavior. A study of the major neuroses and psychoses. Modern methods of diagnosis, treatment, and prevention are explored. Prerequisite(s): PSY 3903 and senior standing. Enrollment open to psychology majors and minors only.

PSY 4763 - Theories, Learning & Cognition

A comprehensive study of principles of learning and their applicability to the major areas of psychological concern is presented in this course. Prerequisite(s): PSY 3833 and senior standing. Enrollment open to psychology majors and minors only.

PSY 4773 - Principles of Clinical Psychology

An orientation to the field of clinical psychology is covered in this class. There is an emphasis upon the study of tools, techniques and methods of the clinician at work. Prerequisite(s): 18 hours of psychology including PSY 4753 and senior standing. Enrollment open to psychology majors and minors only.

PSY 4783 - History, Systems of Psychology

The course reviews the historical framework of systems within psychology. In addition, it allows students to reintegrate primary content areas of their discipline after completing a set of courses representing specific areas. Prerequisite(s): PSY 3833. Senior standing. Enrollment open to psychology majors and minors only.

PSY 4900 - Practicum In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 4910 - Seminar In Psychology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PSY 4920 - Workshop In Psychology

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PSY 4930 - Individual Study In Psychology

Credit will vary from 1 to 4 hours. Supervised practical experience for students of psychology. Prerequisite(s): Written permission of instructor.

PSY 4950 - Internship In Psychology

Credit will vary from 1 to 8 hours.

PSY 4960 - Institute In Psychology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PSY 4970 - Study Tour In Psychology

Credit will vary. Subject matter will vary within the department's field of study.

PROFESSIONAL TEACHER EDUCATION (PTE)**Department of Educational Services, Foundation & Research****PTE 1010 - Intro to Teacher Education**

This zero credit class provides students with the information that is needed to successfully navigate the teacher education process. Students will meet the staff members from Teacher Education Services and receive information about admission to teacher education and the electronic assessment portfolio as well as the testing requirements for teacher certification in Oklahoma.

PTE 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PTE 3023 - Foundations Of American Education/Clinical Experience

This course is a study of the historical, philosophical, political and sociological understanding of education in the United States with an emphasis on organization, administration and current issues. The course includes 15 hours of supervised Clinical/Field experience in an approved school. Prerequisite(s): PTE 1010.

PTE 3133 - Child Psychology

This course provides an overview of the major theories of developmental changes from the prenatal period through late childhood. The course provides an in-depth study of physical, cognitive, psychosocial and emotional development with emphasis on gender, culture and ethnicity as they relate to infancy and childhood in society and within educational settings for teacher candidates. Prerequisite(s): Junior or senior standing.

PTE 3153 - Adolescent Psychology

This course is a study of the psychology of adolescence and its relationship to educational settings for teacher candidates. The various issues of adolescence are related specifically to educational settings. Issues covered in the course include, but are not limited to the following: biological, cognitive and social development, families, peers, work, leisure, psychosocial problems, and sexuality. Prerequisite(s): Junior or senior standing.

PTE 3163 - Developmental Psychology

This course is a study of the major theories of human development throughout the life-span as they relate specifically to an educational setting. Developmental principles include physical, cognitive, psychosocial and emotional development and the various factors that influence human development. Prerequisite(s): Junior or senior standing.

PTE 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 4172 - Education Assessment

This course provides an overview for pre-service teachers of methods of assessing the educational status and progress of students in common education through the use of formal and informal assessment tools and strategies to ensure quality of the educational environment. The course includes, but is not limited to topics such as authentic, performance-based assessment, portfolios, objective writing, teacher-made test,

record keeping, grading assignments, standardized testing, and communicating with families. This course replaces PTE 4802. Prerequisite(s): Admission to teacher education, PTE 3023.

PTE 4333 - Meeting Secondary Students' Needs

This course focuses on understanding adolescents' physical, cognitive, and psychosocial development and the impact of family, community, and culture. Understanding these influences, as well as the needs of special learners, will foster the choices of appropriate strategies to meet the developmental and instructional needs of secondary students. Field applications in secondary schools allow students to apply course concepts in actual classrooms. Prerequisite(s): Junior or senior standing.

PTE 4433 - Designing Instruction for Secondary Classrooms

This course prepares students to design and teach effective lessons to facilitate student learning in secondary schools based on appropriate theoretical frameworks. Multiple strategies for enhancing student learning will be explored, including, but not limited to, lecture, demonstration, simulation, projects, experiments, dramatization, and group processes. Additionally, methods for differentiating instruction and integrating curriculum will be explored. Students will apply Oklahoma Academic Standards, National Board Standards and/or other Oklahoma standards in lesson planning and delivery. Prerequisite(s): Junior or senior standing.

PTE 4533 - Educational Psychology/Clinical Experience

The course is a study of the application of psychological principles to learning and behavior. Results of research as applied to classroom learning and motivation are studied together with factors that facilitate effective learning. The course includes 30-45 hours of supervised Clinical/Field experience in an approved school. This course should be taken the semester prior to student teaching/internship. Prerequisite(s): Admission to Teacher Education program; PTE 3023, and PTE 3133 or 3153 or 3163 with a minimum grade of "C" and junior or senior standing.

PTE 4543 - Managing Secondary Classrooms

This course prepares students to utilize current theory and best practices related to behavior, motivation, and communication to create learning environments that encourage positive social interaction, self-motivation, and active engagement in learning. Additionally, students will create and rehearse approaches to developing professional relationships with students' parents and/or guardians. Field applications in secondary schools allow students to apply course concepts in actual classrooms. Prerequisite(s): Junior or senior standing.

PTE 4623 - Secondary Class Assessment

This course focuses on the design, delivery, analysis, and utilization of results of classroom assessments to enhance student learning in the secondary classroom. Students will also learn to utilize data from standardized tests and make appropriate instructional decisions. Additionally, the course will examine the standardized testing process, as well as legal, ethical, and diversity issues in assessment. Prerequisite(s): Junior or senior standing.

PTE 4811 - Contemporary Issues

This course consists of three major components related to teaching: urban education, wellness, and the legal and professional aspects. It is required of all students seeking a degree or certification in teacher education. Prerequisite(s): Admission to teacher education, admission to student teaching, and concurrent enrollment in PTE 4828, 4838, or 4848 with senior standing or above. Enrollment open to education majors only.

PTE 4828 - Internship/Student Teaching PK-3/Elementary

This internship requires that early childhood (PK-3) or elementary (grades 1-6) teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in an early child-

hood or elementary classroom setting with a highly effective teacher. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4838 - Internship/Student Teaching Secondary

This internship requires that secondary (grades 7-12) teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in a secondary classroom setting with a highly effective teacher. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4848 - Internship/Student Teaching PK-12

This internship requires that PH-12 teacher candidates plan a variety of Oklahoma Academic Standards (OAS)-based lessons, implement classroom management procedures, and actively and collaboratively teach in an elementary and secondary setting with highly effective teachers. Teacher candidates will demonstrate data-driven instructional decision-making based on learner outcomes. Prerequisite(s): Admission to Teacher Education program; admission to student teaching.

PTE 4853 - Classroom Management & Instruction

This course addresses research based principles of classroom management with emphasis on diversity and effective instruction. The focus will be on developing strategies to create the optimal learning environment in order to promote student success. The course provides an overview of the state teacher evaluation process and professionalism. Prerequisite(s): Admission to teacher education and admission to student teaching. Junior or senior standing. Enrollment open to education majors only.

PTE 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

PTE 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

PTE 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

PTE 4950 - Internship

Credit will vary from 1 to 8 hours.

PTE 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

PTE 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

READING (READ)

Donna Nigh Department of Advanced Professional & Special Services

READ 0122 - Reading

Mandatory for all students who have not fulfilled state high school requirements in history. Includes a review of basic reading, spelling, and study skills. Not for college credit.

READ 2000 - Topics In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 2303 - College Reading/Study Skills

This course assists college students who need to improve reading, study and test taking skills. It includes reading diagnosis of vocabulary, comprehension and rate, and provide developmental training with emphasis on individual work to improve weaknesses.

READ 3000 - Workshop In Reading

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, film, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

READ 3990 - Advanced Topics In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 4243 - Diagnosis Intervention Reading

Candidates learn to identify children with reading difficulties and develop strategies for remediation. Methods of teaching reading and implementation are the primary focus of this class. The children, who are instrumental in this practicum experience, exhibit exceptionalities, individual differences, and cultural and linguistic diversity. A tutorial component requires that each candidate apply the knowledge and skills attained through assigned readings and class instruction in an authentic teaching/learning situation. Prerequisite(s): SPED 4102, 4123, BIO 1114, PTE 3023, 3163 and senior standing or above. Enrollment open to special education majors only.

READ 4900 - Practicum In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 4910 - Seminar In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 4920 - Workshop In Education

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

READ 4930 - Individual Study In Reading

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

READ 4950 - Internship In Reading

Credit will vary from 1 to 8 hours.

READ 4960 - Institute In Reading

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

READ 4970 - Study Tour In Reading

Credit will vary. Subject matter will vary within the department's field of study.

RECREATION (REC)**Department of Kinesiology and Health Studies****REC 2402 - Outdoor Recreation**

This course will focus on the psychological influence and social significance of outdoor pursuits on the recreation/leisure experience. Skill development and environmental values of outdoor experiences will be emphasized.

REC 2433 - Outdoor Pursuits

This course will acquaint students with a variety of outdoor pursuit activities and skills related to the outdoor profession. The course will focus on skill development related to outdoor activities and environmental issues related to impacts and values associated with outdoor activities. Prerequisite(s): Enrollment open to Kinesiology majors and Outdoor and Community Recreation minors only.

REC 2502 - Challenge Course Training

This course will expose students to the theoretical and practical experiences of challenge course operation and group development. The student will gain knowledge and experience in knot typing, the use of high and low course elements, course safety, debriefing skills, and other relevant challenge course information.

REC 2812 - Camp Administration & Program

This course will investigate the administration of a modern camp. It will focus on the role of outdoor education in the leisure process.

REC 3433 - Community Recreation

The course will acquaint students with a variety of community based activities and skills related to the recreation profession. The course will focus on skill development and theories related to community engagement. Issues related to diverse populations and values associated with recreational activities will be examined during the course as well. Prerequisite(s): KINS 2643 with junior or senior standing. Enrollment open to Kinesiology majors and Outdoor and Community Rec minors only.

REC 3513 - Facility Management

This course is designed to give students an understanding of the skills necessary for planning, designing, maintaining, and managing recreation and fitness facilities. The course will study supply, demand, population, maintenance and safety analysis in developing appropriate areas and facilities for recreation and fitness programs. Prerequisite(s): KINS 2643. Junior or senior standing.

REC 3702 - Wilderness First Aid

Environmental and traumatic emergencies and their appropriate interventions in the wilderness setting will be studied. The class will study the prevention of accidents and decision-making in outdoor medicine. Prerequisite(s): HLTH 2212.

REC 3803 - Tourism & Recreation

This course will examine the dynamics of the tourism and recreation industries as elements of the leisure delivery system. Relevant areas that will be reviewed include an exploration of the various tourism systems related to social, environmental, and economics impacts. The various methodologies of how tourism has been developed into a worldwide industry will also be examined. Prerequisite(s): KINS 2643 and junior standing or above.

REC 3990 - Advanced Topics In Recreation

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

REC 4363 - Therapeutic Recreation

This course will acquaint the student with the health related profession used to promote play, recreation and leisure as a means to psychological and physical recovery among individuals with disabilities. The purpose is to introduce individual and group counseling techniques and play, recreation and other activities to restore, remediate or rehabili-

tate a person, in order to improve their functioning and independence, as well as, reduce or eliminate the effects of illness or disability.

Prerequisite(s): KINS 2643. Junior or senior standing.

REC 4503 - Entrepreneurship & Leisure

This course will provide an in-depth look into the scope, entrepreneurial characteristics, concepts, strategies, and management aspects of commercial/industrial recreation and tourism. The course will address history, strategies, business start-up, budgeting, facilities, programming and operational management. Prerequisite(s): KINS 3623 and 2643. Junior or senior standing.

REC 4900 - Practicum In Recreation

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

REC 4910 - Seminar In Recreation

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

REC 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

REC 4930 - Individual Study In Recreation

Credit will vary from 1 to 4 hours. Directed intensive study of definite problems or specific subjects based on approved outlines or plans, conferences, oral and written reports. Prerequisite(s): Written permission of department chair.

REC 4950 - Internship In Recreation

The Outdoor and Community Recreation Internship is an individualized program of study that provides a transition from the university to a professional recreation setting. The student will apply and test theories of recreation management in the field, under the guidance and supervision of a professional practitioner and a university faculty member. Prerequisite(s): KINS 3623, 4252, 4433, 4900, PHED 3503 and REC 3513 with a grade of "C" or better. Enrollment open to Kinesiology-Outdoor and Community Recreation majors with senior standing.

REC 4960 - Institute In Recreation

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

REC 4970 - Study Tour In Recreation

Credit will vary. Subject matter will vary within the department's field of study.

SUBSTANCE ABUSE STUDIES (SAS)**Department of Sociology & Substance Abuse Studies****SAS 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 2603 - Introduction To Substance Abuse Studies

As an overall introduction to the field of substance abuse studies, this course covers categories of substance abuse, physiological and psychological effects of alcohol and other drugs, the disease concept of addiction, family and social dimensions of substance abuse, and the principle therapy and treatment approaches to the disease. This course replaces SAS 3113.

SAS 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SAS 3023 - Counseling Skills In Substance Abuse

Counseling Skills in Substance Abuse provides an in-depth survey of the major concepts and techniques of contemporary therapeutic approaches, and provides a foundation for advanced counseling theory and practice. Prerequisite(s): SAS 2603, 3123.

SAS 3123 - The Addictive Process

The particular diagnostic features of addiction and abuse as well as the nature of the addiction process, its treatment modalities, and relapse factors and prevention are described and discussed in detail in this course. This course replaces SOC 3123.

SAS 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 4273 - Substance Abuse and the Family

Substance Abuse and the Family examines the family as a natural social system and the influence that alcohol and other drugs of abuse have on the system. Major emphasis is placed on theoretical models of roles that typically exist in families dealing with substance abuse and dependence including common patterns of the progression of the disease in the abusing or dependent person and the consequent effects on the family system. Prerequisite(s): SAS 2603 or family life education -child development major.

SAS 4293 - Professional Principles/Substance Abuse Counseling

Professional Principles of Substance Abuse Counseling emphasizes the collection of twelve domains of competency required of Certified Alcohol and Drug Counselors (CADC). The topics include professional ethics, legal issues/requirements including reporting and confidentiality, counseling persons with aids, case documentation, and interactions with cognate professions including psychology/psychiatry and social work. Prerequisite(s): SAS 3023.

SAS 4303 - Substance Abuse In Special Populations

The disease of substance abuse and dependence has many unique characteristics when it occurs in persons and groups outside the typical family unit. In this course, an examination of those characteristics is explored among special populations including adolescents, the elderly, racial and ethnic minorities, gays/lesbians, the physically and developmentally disabled, the chronically ill, and criminals/delinquents. Prerequisite(s): SAS 2603 and 3123 or Family Life Education major. This course replaces SOC 4303.

SAS 4313 - Codependency

Codependency studies people with impaired mental health and relational skills which are determined primarily by their relationship to a substance abuser/addict or by other dysfunctional primary relationships. In this course, the etiology, symptomology, and treatment of codependency are presented. Prerequisite(s): SAS 2603 and 6 additional hours of SOC, PSY, or FMCD.

SAS 4323 - Dual Diagnosis

Dual Diagnosis examines the relationship between alcohol/other drug abuse or dependency with mental illness such as depression, bi-polar disorder, post-traumatic stress, schizophrenia, dissociative disorder, and borderline personality. In addition, there are substance-induced disorders that mimic primary mental illness. In this course, differential diagnosis and treatment modalities for dual diagnoses or co-occurring disorders are treated in detail. Prerequisite(s): SAS 2603, 3123 and 6 additional hours of SOC, PSY, or FMCD.

SAS 4333 - Advanced Counseling Skills/Substance Abuse

Advance Counseling Skills for Substance Abuse investigates advanced techniques of counseling and multi-disciplinary treatment options for substance abuse victims. Major emphasis is placed on comprehensive treatment planning and the unique role of the substance abuse counselor. Prerequisite(s): SAS 3023.

SAS 4343 - Prevention And Education In Substance Abuse

This course will examine contemporary prevention theories and the basic strategies of comprehensive prevention programming. The course will explore historical and current prevention programs. The course will examine the process of implementing prevention programs in communities through community mobilization and action planning. The course will explore prevention as a method of thinking about problems and issues. Prerequisite(s): nine (9) hours of sociology, science, family and child studies, health or education.

SAS 4413 - Group Dynamics-Substance Abuse Counseling

This course is an introduction to group dynamics with special emphasis on its application in substance abuse treatment. The course includes a survey of contemporary group process models/theories and extensive practical application exercises. Prerequisite(s): SAS 2603 with a minimum grade of "C". Junior or senior standing.

SAS 4900 - Practicum

Credit will vary from 1 to 4 hours. Field experience in community service occupations. A cooperative program involving placement of the student in trainee positions in selected agencies, classroom seminars, and coordinated supervision.

SAS 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAS 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SAS 4930 - Individual Study

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects. It may be a survey of the relevant literature in certain agreed upon areas, or a research project.

SAS 4940 - Field Study

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SAS 4950 - Internship

Credit will vary from 1 to 8 hours.

SAS 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SAS 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SOFTWARE ENGINEERING (SE)**Department of Computer Science****SE 2000 - Topics in Software Engineering**

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SE 3000 - Workshop in Software Engineering

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SE 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SE 4423 - Software Engineering II

This course is a continuation of the study of software engineering principles. It focuses on theory and practice of requirements elicitation and analysis, software testing, and project management. Prerequisite(s): CMSC 4283 and junior or senior standing.

SE 4433 - Software Architecture & Design

This course covers software design with emphasis on architectural design, reuse of software architectures, and patterns. Prerequisite(s): CMSC 4283 with junior or senior standing.

SE 4513 - Software Engineering Senior Project

In this capstone course, students will have the opportunity to demonstrate and integrate skills acquired in their program of study to a project. Oral and written presentation of project concepts is emphasized. Students will be required to complete the department's assessment instrument. Prerequisite(s): CMSC 4003 and SE 4423 and SE 4433 and senior standing or above.

SE 4900 - Practicum in Software Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SE 4910 - Seminar in Software Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SE 4920 - Workshop in Computer Engineering

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SE 4930 - Individual Study

Credit will vary from 1 to 4 hours.

SE 4940 - Field Study in Software Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SE 4950 - Internship in Software Engineering

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SE 4960 - Institute in Software Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SE 4970 - Study Tour in Software Engineering

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SAFETY (SFTY)**Department of Adult Education & Safety Sciences****SFTY 2000 - Topics In Safety**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 2323 - Product Safety

A study of the consumer product safety act concerning the safe design, production, distribution and use of certain products. Reviews of case histories are employed to illustrate problems of the manufacturer and consumer.

SFTY 2343 - Safety Education

This is an introductory course that provides an overview of safety by examining the related concepts of risk, hazard, prevention, mitigation, accident, illness, and injury. The fundamental causes and consequences of accidents will be studied, and the importance of safety in the home, occupational, and public settings will be emphasized.

SFTY 2503 - Basic Measurement In Industrial Safety

A study in applying the basic sciences of math, biology, chemistry and physics as they relate to industry. Emphasis is placed on assessing safe work and environmental conditions and regulatory compliance.

SFTY 3000 - Workshop In Safety Education

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SFTY 3073 - Industrial Safety I

This course provides an overview of the industrial safety movement in America, elements of industrial safety programs, and industrial safety regulatory standards and practices. Prerequisite(s): SFTY 2343. Sophomore, junior or senior standing.

SFTY 3102 - Legal Aspects Of Safety Education

This course is a study of state, federal and local laws that may affect a person who aspires to a career as a safety professional.

SFTY 3112 - Physical Aspects Of Industrial Safety

This course is the study of select principles in the physical sciences as they apply directly to the engineering aspects of industrial safety including: the concepts of force, work, energy, and power; the properties of materials; soil mechanics; heat transfer; and fluids. Prerequisite(s): Sophomore standing or above.

SFTY 3203 - Driver & Traffic Safety Education I

An introduction to and an analysis of the highway transportation system with specific treatment of the vehicle operator's driving tasks.

SFTY 3333 - Ergonomics

An examination of the various disciplines that interact to comprise the field of ergonomics. An historical scan is provided in addition to a review of basic terminology.

SFTY 3343 - Construction Safety

This course examines hazards and accidents involved with the construction industry. Included is a review of OSHA's construction safety standards, 29CFR 1926. Also, methods of identifying construction risks and hazards and managing a construction safety program are examined. Education and training methods and programs for the construction industry are discussed.

SFTY 3353 - Radiation Safety

Radiation Safety is a study of the origins of ionizing and non-ionizing radiation. Included are the health effects of radiation and the protective methods used in industry to minimize the effects of that radiation. The course will include the study of nuclear radiation, X-rays, microwaves, and laser light. Prerequisite(s): SFTY 2503. Junior or senior standing.

SFTY 3433 - Introduction to OSHA

This course is designed to provide the student with an introduction to the Occupational Safety and Health Act of 1970 as administered by the Occupational Safety and Health Administration. The major components of the course include regulatory compliance, record keeping, general industry standards per 29CFR Part 1910, inspections, citations, violations, the General Duty Clause, and the nomenclature of the Code of Federal Regulations.

SFTY 3443 - Mandatory OSHA Training

This course is designed to cover approximately thirty types of mandatory training required by OSHA, including an overview of administrative policies, procedures and responsibilities. Employer's and employee's participation and rights will be covered. Prerequisite(s): Sophomore standing or above.

SFTY 3623 - Fundamentals of Petroleum Safety

This course in the fundamentals of petroleum safety will present an overview of the oil and natural gas industry to include: petroleum geology; petroleum exploration activities; aspects of leasing; drilling operations; production; transportation; refining and processing; environmental and health concerns; and petroleum marketing. Particular emphasis will be placed on the specific occupational and environmental health and safety issues peculiar to each segment of the petroleum industry. Classroom instruction, supplemented with field trips and industry professionals presenting topics specific to their area of expertise, will be utilized to meet the course objectives. Prerequisite(s): SFTY 2343 with junior or senior standing.

SFTY 3633 - International Safety

This is a course in safety that addresses international problems. This course is broad in nature and includes concepts from the arenas of product safety, process safety, international legal aspects, international travel and shipping, world views on environmental problems, chemical spills, hazards created by governments, civil strife, and emerging international trends in employer/employee relationships. Prerequisite(s): Junior standing or above.

SFTY 3713 - Supervisor Development

This course is a study of skills needed by a supervisor or team leader in three aspects of loss control: Hazard recognition, level of acceptable risk, and controlling of hazards. Prerequisite(s): Junior standing or above.

SFTY 3733 - Fund of Emergency Mgmt

This course introduces the student to the principles of emergency management and their application in the realm of continuity of operations and crisis management. Topics include comprehensive emergency management; public, private and non-profit roles and partnerships for emergency and crisis management; training and exercises; National Incident Management System (NIMS); emergency response; continuity planning; and recovery. Prerequisite(s): SFTY 2343 and (SFTY 3073 or concurrent enrollment in SFTY 3073). Junior or senior standing.

SFTY 3990 - Advanced Topics In Safety

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 4013 - Alcohol And Drug Education

The course is designed to explore the magnitude of the use of alcohol and drugs in our society. The individual is encouraged to explore the areas before making a decision concerning the use or nonuse of these substances.

SFTY 4083 - Industrial Safety II

This course provides an overview of the engineering and technological aspects of current industrial safety practice. Prerequisite(s): SFTY 3073. Junior or senior standing.

SFTY 4123 - Industrial Hygiene I

A study of the industrial environment which is devoted to the recognition, evaluation and control of those environmental factors which contribute to worker illness and injury.

SFTY 4133 - Industrial Hygiene II

A continuation of SFTY 4123 and the evaluation of needs and the recommendations for the solutions of health hazards in worker environment in the industrial plant. Prerequisite(s): SFTY 4123.

SFTY 4152 - Personal Protective Equipment

A study of the selection, use, care and maintenance of various types of personal protective equipment commonly used in industry, and an overview of the anatomy and physiology of the body organs that each type of equipment is designed to protect.

SFTY 4163 - Environmental Safety

A study of the characteristics of regulated hazardous wastes, the principles of hazardous waste management, and the OSHA regulations pertaining to the protection of workers in hazardous waste operations. Prerequisite(s): SFTY 2503.

SFTY 4173 - Fire Prevention & Protection

This course is designed to prepare the safety professional/other safety personnel for industry. Among the areas included are: factors contributing to industrial fires, the chemistry of fires, the classification of fires, special systems and agents, identification of hazardous materials, and fire prevention activities.

SFTY 4203 - Principles, History, & Philosophy Of Safety Education

This course reviews the philosophy of industrial safety in light of the historical context. In addition, system safety and quantitative risk management models will be studied. Prerequisite(s): Junior or senior standing. Enrollment open to Industrial Safety majors only.

SFTY 4213 - Chemical/Toxic Hazardous Material/Waste

A study of the major categories of hazardous chemicals, their chemical and physical properties, and their toxicological effects on the human body. Prerequisite(s): SFTY 2503.

SFTY 4222 - Industrial Fire Systems

This course is designed to prepare the safety professional and other safety personnel for industry. Areas include fire detection systems, extinguishing systems and fire safety systems. Prerequisite(s): SFTY 2343.

SFTY 4232 - Life Safety Code

Life safety codes are critically examined within the scope of pertinent standards and codes to assure safety from fire and its effects. All classifications of occupancies will be defined in the course.

SFTY 4243 - Industrial Noise Control

The class will provide an overview of the fundamentals of sound and sound measurements, audiogram interpretation, noise effects, noise legislation, and effective hearing conservation programs. The class will have the opportunity to analyze their own audiograms courtesy of a local safety consultation firm. Prerequisite(s): MATH 1513 and junior or senior standing.

SFTY 4253 - Electrical Safety

This course is a study of the basic concepts of direct and alternating current, including the generation, transmission, safe use, and protective methods employed in industry. Prerequisite(s): Junior or senior standing.

SFTY 4303 - Driver & Traffic Safety II

Special attention is given to administrative policies and practices and selection, organization, and program evaluation. A study on qualification and certification standards for teachers of high school driver education; community resources, instructional strategy, evaluation of instructional materials and equipment. Laboratory practices will include experience in programming. Prerequisite(s): SFTY 3203.

SFTY 4323 - Underground Storage Tank Management

This course will present information about the safety concerns associated with, and environmental hazards common to, above ground and underground petroleum storage tanks. The course will consist of lectures, guest speakers from the regulatory and consulting arenas, and field trips. Particular attention will be paid to regulatory requirements, environmental impacts, and remediation technologies for cleanup of spills emanating from leaking tanks. Prerequisite(s): Junior or senior standing.

SFTY 4333 - Storm Water Management

This course is designed to inform the senior and graduate level Industrial Safety student about the applicable laws, rules, and regulations that pertain to the control, management, identification, and analysis of storm water and its associated environmental problems. Included is a review of the Clean Water Act, EPA's proposed and final rules, the Federal Register and the Code of Federal Regulations. Prerequisite(s): Junior or senior standing.

SFTY 4402 - Supervision Of Transportation

A study of transportation as it relates to industrial concerns, including hazardous materials, driver selection, accidents and other safety areas.

SFTY 4412 - Hazard Communication

Upon completion of this course, the student will be familiar with the principles of hazard and risk communication, the principles of design and delivery of hazard training programs, and the elements of an acceptable hazard communication program. Prerequisite(s): Junior or senior standing.

SFTY 4423 - Applied Ergonomics

This course explores methodologies and considerations involved with establishing an applied ergonomics program within industry. Included are methods for assessing ergonomic problems and needs, record keeping, work task analysis, investigation techniques, and corrective actions for reducing and/or eliminating ergonomic risk factors. Prerequisite(s): SFTY 3333.

SFTY 4433 - Occupational Risk Management

This course will prepare the prospective safety manager to plan, coordinate and control activities in the work place. Both physical risk and legal risk will be studied. Prerequisite(s): SFTY 3073, 2343 and MATH 1513. Junior or senior standing.

SFTY 4443 - Asbestos and Lead Management

Asbestos and Lead Management is a course in methods and practices used to determine the extent of hazard posed by the presence of asbestos-containing materials and lead paint in the workplace, the environment, and in the home. The course is designed to familiarize the student with federal, state, and local laws and regulations governing these hazards, and the methodology used to either remove asbestos and lead paint, or to maintain them in situ while keeping personal and environmental risks within acceptable levels. Prerequisite(s): Junior or senior standing.

SFTY 4453 - Hazard Waste Operation & Emergency Response

Hazardous Waste Operations and Emergency Response (HAZWOPER) is a 40 hour course fulfilling the initial classroom training requirements of the United States Occupational Safety and Health Administration's regulation 29CFR 1910.120, Hazardous Waste Operation and Emergency Response. The course is designed as a one week intersession or intrasession. Prerequisite(s): Senior standing.

SFTY 4463 - Industrial Ventilation

This course is a study of methods and techniques of industrial ventilation systems, including local exhaust systems as engineering controls for reduction of air-borne contaminants, as well as the basic concepts of heating, ventilation, and air-conditioning (HVAC) systems. Prerequisite(s): SFTY 2503. Junior or senior standing.

SFTY 4613 - Professional Safety Development

This course is the study of ethical, legal, technical, and regulatory requirements related to the professional practice of Industrial Safety. Included are the analyses of the various categories of expertise required in order to become a professionally and legally recognized practitioner of Industrial Safety. Prerequisite(s): Senior standing.

SFTY 4723 - Advanced Field Applications in Petroleum Safety

This course in Advanced Field Applications in Petroleum Safety will present an advanced examination of the petroleum industry to include: drilling rig safety systems and inspection techniques; gas plant operation; process safety management principles and practical application with particular emphasis on the specific health, safety and environmental issues peculiar to each area of the industry. Classroom instruction, supplemented with field trips and industry professionals presenting topics specific to their area of expertise, will be utilized to meet the course objectives. Prerequisite(s): SFTY 3623 and junior or senior standing. Enrollment open to Industrial Safety majors only.

SFTY 4900 - Practicum In Safety Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 4910 - Seminar In Safety Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SFTY 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SFTY 4950 - Internship In Safety Education

Credit will vary from 1 to 8 hours.

SFTY 4960 - Institute In Safety Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SFTY 4970 - Study Tour In Safety Education

Credit will vary. Subject matter will vary within the department's field of study.

SPEECH/LANGUAGE PATHOLOGY (SLP)**Donna Nigh Department of Advanced Professional & Special Services****SLP 2000 - Topics**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SLP 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 4003 - Foundations Of Speech-Language Pathology

This course presents a survey of the principles, concepts and terminology fundamental to the professions of speech-language pathology and audiology.

SLP 4014 - Normal Language Development

This course is a detailed study of the behavioral, cognitive and linguistic aspects of normal language development. Major theories of language development are examined as well as the development of specific semantic, syntactic, and pragmatic aspects of language

behavior in children and adolescents. This course also includes study of sociolinguistic and dialectal variations. Prerequisite(s): Written permission required.

SLP 4023 - Fluency Disorders

This course includes a detailed examination of the nature and definition of fluency disorders (stuttering and cluttering). Theories regarding etiology and their implications for evaluation and treatment of fluency disorders are studied. Procedures for the evaluation of speech fluency, diagnosis, and treatment for different age groups are examined. Prerequisite(s): SLP 4713.

SLP 4054 - Language Disorders

This course presents a detailed study of the nature of language disorders in children and adolescents, including etiologies, classification, assessment and treatment. Specific emphasis includes principles and procedures for application of standardized test instruments, language sampling and analysis, informal assessment and developing intervention strategies. Prerequisite(s): SLP 4014.

SLP 4143 - Acoustic Phonetics

This course involves a study of the science of sounds necessary for the production of speech. This course is designed to train the student to hear and discriminate among the speech sounds of General American English, to train the student in the use of the International Phonetic Alphabet, and to give the student an understanding of how speech sounds are produced. Prerequisite(s): Written permission required.

SLP 4223 - Audiology

This course presents a study of the physics of sound, anatomy and physiology of the auditory system, auditory theory, pure-tone audiometry, speech audiometry, acoustic immittance, hearing screening, pathologies of the auditory systems, amplification and treatment strategies for the individuals with hearing impairment. Prerequisite(s): SLP 4724.

SLP 4522 - Beginning Signing Exact English

This course presents vocabulary and skill development in a manual English sign language system for use by speech-language pathologists and teachers in developing English skills in the hearing impaired. Topics include study of aspects of and differences in manual communication systems. Prerequisite(s): Instructor written permission required.

SLP 4622 - Intermediate Signing Exact English

This course presents vocabulary and skill development for intermediate grade level children in a manual English sign language system for use by speech-language pathologists and teachers in developing English skills in the hearing impaired. Prerequisite(s): SLP 4522.

SLP 4673 - Articulation Disorders

This course presents a study of the principles and procedures for assessment and remediation of articulation and phonological disorders. Prerequisite(s): SLP 4143.

SLP 4693 - Voice Disorders

This course presents an in depth study of anatomy and neurophysiology of the vocal mechanism and various voice disorders. The course includes evaluation and treatment techniques for hyper- and hypofunctional disorders, neurogenic disorders and clients with laryngectomy. Prerequisite(s): SLP 4713.

SLP 4703 - Aural Rehabilitation

This course presents a survey of the various methods and devices used in treatment of sensory auditory disorders. Topics include study of hearing aids and auditory trainers, speech reading, auditory training, oral and manual methods of communication, and speech/language training. Prerequisite(s): SLP 4223.

SLP 4713 - Clinical Methods Speech-Language Pathology

This course examines the clinical foundations of speech-language pathology. Principles and procedures for the evaluation and treatment of communication disorders are studied. Methods for obtaining and analyzing behavioral data for clinical and research applications are examined in detail. Prerequisite(s): SLP 4054, 4673.

SLP 4724 - Speech And Hearing Mechanism

This course involves a study of the anatomy, neurology, physiology and function of the mechanisms of the human body involved in hearing, speech, voice and language acquisition and production. Prerequisite(s): Written permission required.

SLP 4732 - Computer Applications/Technical Writing For Speech Language Pathology

This course examines fundamental concepts of computer systems, computer applications, and their technical application to the field of speech-language pathology. Emphasis is placed on developing awareness of considerations related to utilizing specialized software for evaluation and treatment of communication disorders, researching professional information, and the development of technical writing skills utilizing computer applications. Prerequisite(s): SLP 4054 & 4673.

SLP 4742 - Cultural Issues In Speech Language Pathology

This course provides a study of cultural diversity issues in the provision of speech-language services. Speech and language characteristics of different cultures are examined with the resulting implications for assessment and treatment of communication disorders. Prerequisite(s): SLP 4713 and senior standing. Enrollment open to Speech/Language Pathology majors only.

SLP 4752 - Special Populations in SLP

This course examines the nature, characteristics, and treatment considerations for populations representing special etiologic categories that are assessed and treated by Speech-Language Pathologists. Students will engage in self-guided research of available literature and resources to complement basic information regarding special populations, including children with autism spectrum disorder, traumatic brain injury, developmental disability, and genetic syndromes. Prerequisite(s): SLP 4673 and SLP 4054 with senior standing. Enrollment open to Speech Language Pathology majors only.

SLP 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SLP 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SLP 4950 - Internship

Credit will vary from 1 to 8 hours.

SLP 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SLP 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SANSKRIT (SNSK)**Department of Modern Languages, Literature & Cultural Studies****SNSK 1114 - Elementary Sanskrit I**

This course introduces students to Sanskrit pronunciation, vocabulary, reading and grammar. The student will learn all the alphabet, 15 vowels and 35 consonants as well as a basic vocabulary. There are no prerequisites for this course.

SNSK 1224 - Elementary Sanskrit II

In the sequel to Sanskrit 1114, the students will continue the study of grammar, expand their Sanskrit vocabulary, practice grammatically correct constructions of sentences, and develop an understanding of how words in European languages have their roots in Sanskrit. Prerequisite(s): SNSK 1114.

SNSK 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 3000 - Workshop

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SNSK 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SNSK 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 4940 - Field Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SNSK 4950 - Internship

Credit will vary from 1 to 8 hours.

SNSK 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SNSK 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

SOCIOLOGY (SOC)**Department of Sociology & Substance Abuse Studies****SOC 2000 - Topics In Sociology**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SOC 2011 - Careers In Sociology

This class is designed to inform and educate students regarding professional career opportunities utilizing the undergraduate major in sociology. Prerequisite(s): SOC 2103.

SOC 2103 - Sociology

A general survey of the field of sociology; the origin and development of social institutions; social processes.

SOC 2113 - Human Sexuality

An introductory survey of relevant topics such as history of sexuality, the psychosocial sexual aspects of anatomy, birth control, human sex response cycle, sex techniques, research, sexually transmitted diseases, deviant sexuality, sexual dysfunction, and sex education.

SOC 2203 - Social Problems

Some of the more important current social problems such as poverty, delinquency, criminality and migration; also a consideration of agencies for solution.

SOC 2303 - Social Psychology

An integration of sociology and psychology stressing personality development of the individual growing out of contact with his fellow beings; social adjustments and social controls.

SOC 2413 - Cultural Anthropology

Cultural history, theories of culture, a survey of human behavior patterns with particular attention to non-western societies.

SOC 2503 - Introduction To Social Work

A survey of the three basic components of social work: casework, group work, and community organization. Principles and technique of human service delivery systems will be analyzed.

SOC 3000 - Workshop In Sociology

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree. Prerequisite(s): Sophomore standing or above.

SOC 3103 - Juvenile Delinquency

Causes leading to delinquency; methods of control. Prerequisite(s): Sophomore standing or above.

SOC 3163 - Sociology Of Sports And Leisure

The sociology of sports applies the sociological concepts, techniques, methodologies, and theories to investigating and studying the sports industry in American society. Special attention is given to both the formal and informal aspects of sports activity and its impact upon other forms of institutional life in American society. Prerequisite(s): Sophomore standing or above.

SOC 3203 - Minorities In American Society

Minorities in American Society provides an understand the concept of minority group and minority group behavior; the extent of the socio-cultural reasons for prejudice and discrimination; and contemporary dominant-minority group relations in the United States. Prerequisite(s): SOC 2103 and junior standing or above.

SOC 3303 - Sociology Of Health And Medicine

Sociology of Health and Medicine applies sociological concepts and research findings to health beliefs, practices, and social-psychological aspects of illness. Prerequisite(s): SOC 2103 with junior standing or above.

SOC 3403 - The Family

A history of the family as a social and educational institution; problems confronting the modern family. Prerequisite(s): SOC 2103 or FMCD 2223 and sophomore standing or above.

SOC 3573 - Sociology Of Religion

A theoretical examination of religious beliefs and practices as they relate to other social institutions and forces. Prerequisite(s): Sophomore standing or above.

SOC 3633 - Criminology

The cause, prevention, and treatment of crime. Prerequisite(s): Sophomore standing or above.

SOC 3743 - Organizational Behavior

A systematic study of organizational concepts, techniques, methodologies, and theory from a sociological perspective. Both formal and informal organizational structure and function will be considered within the dynamic and complex social environment of our society. Prerequisite(s): Sophomore standing or above.

SOC 3990 - Advanced Topics In Sociology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): Sophomore standing or above.

SOC 4043 - Sociological Statistics

Sociological Statistics is an introduction to social statistics and their application in social research. It is designed to help students identify and understand how statistics are used to describe data and to make inferences about the relations between variables. Students will learn descriptive techniques and decision-making statistical procedures. Prerequisite(s): ENG 1113, 1213, SOC 2103, 9 additional hours of Sociology and 3 hours of Math with junior standing or above.

SOC 4053 - Sociology Of Aging

This course is designed to acquaint students with the magnitude of the aging situation in America and to become informed about the social, psychological, economic, and political problems associated with the increasing number of people reaching retirement age in America. Prerequisite(s): ENG 1113, 1213, 3 hours of sociology and junior standing or above.

SOC 4103 - Urban And Rural Communities

Principles of community organization, the general attributes of communities, the special features of folk and modern city societies developed in contrast. Prerequisite(s): ENG 1113, 1213, and 9 hours of sociology with junior standing or above.

SOC 4213 - Political Sociology

A study directed toward an examination of extremism and political deviancy. The study will consider causative factors and sociological implications of political extremism. Credit will not be granted if the student has earned credit in POL 4213. Prerequisite(s): ENG 1113, 1213, POL 1113, SOC 2103, junior standing or above.

SOC 4233 - Human Behavior/Social Environment

This course is intended to acquaint students with an ecological model entitled "The Behavior Dynamics Assessment Model" which presents a vast array of theories and research to explain and describe human development; teach a life-span approach which allows for a description of human growth and development from conception through late adulthood; identify for each age group, sociological, psychological, and biophysiological variables that influence development; describe normal developmental tasks and milestones for each age group; present theories of abnormal development ranging from macro-sociological to microbiological; and describe human diversity factors (involving racial groups, ethnic groups, gender, and sexual orientation) and articulate their various impacts on human behavior and social life. Prerequisite(s): ENG 1113, 1213, (SOC 2103 or PSY 2703) with junior standing or above.

SOC 4243 - Social Deviance

This course defines social deviance, analyzes theories of deviance, examines social reactions to and social control of deviance, and looks at the effects of deviant identity. The above information then is applied

to an understanding of several specific types of deviance, e.g., child abuse, alcoholism, suicide. Prerequisite(s): ENG 1113, 1213, SOC 2103 and 6 hours of sociology with junior standing or above.

SOC 4403 - Social Ecology And Demography

An analysis of population movements and their effects on ecological and demographic factors in the society. Prerequisite(s): ENG 1113 and 1213 with junior standing or above.

SOC 4443 - Social Stratification

Social Stratification will explore theories of class and caste, wealth, status, and power, and the American class system. Prerequisite(s): ENG 1113, 1213, and SOC 2103 with junior standing or above.

SOC 4463 - The Abused

The Abused is a course that equips students preparing for work in the helping professions to identify symptoms of abuse, and other forms of trauma, and to design and carry out treatment plans specifically developed to ameliorate resultant maladaptive behavior patterns. Matters of etiology, symptomology, and treatment techniques are examined with particular emphasis on research and theory. Prerequisite(s): ENG 1113, 1213 and junior or senior standing. Enrollment open to Sociology majors and Family Life Education - Marriage and Family majors only.

SOC 4513 - Contemporary Social Movements

Contemporary Social Movements covers the tools for the analysis of social movements (collectivities engaged in promoting or resisting change within society). Prerequisite(s): ENG 1113, 1213, and SOC 2103 with junior standing or above.

SOC 4523 - Sociology of Gender

Sociology of Gender will acquaint students with the myriad of issues related to the development of gender roles in society and the stratification related to these roles found across history and culture. Prerequisite(s): ENG 1113 and 1213 with junior or senior standing.

SOC 4533 - Sociology of Death & Dying

Sociology of Death and Dying examines the structural and interactional aspects of the phenomenon of death and the process of dying in modernity. This course includes, among other things, an analysis of the highly variegated attitudes and meanings related to death rituals, body disposal, professionalization of death work, significance of bereavement and grief, the medicalization and bureaucratization of death and dying, and the role of hospitals and hospices in the management of dying. Prerequisite(s): ENG 1213 and junior or senior standing.

SOC 4573 - Sociology Of Childhood/Adolescence

A study of the group phases of childhood, child welfare, and the sociological analysis of child and adolescence. Prerequisite(s): ENG 1113 and 1213. Junior or senior standing.

SOC 4633 - Social Welfare Policy

Social Welfare Policy will provide students with an understanding of state and federal social welfare policies and the impact they have on special populations (particularly those in poverty). In addition, students will learn the theoretical bases for social welfare policies and analyze them from economics, political, and human services perspectives. Prerequisite(s): ENG 1113, ENG 1213 and SOC 2503 or permission of instructor. Junior level or above.

SOC 4693 - Sociological Theory

Sociological Theory is a study of both classical and contemporary sociological theories. There is an emphasis on understanding the main ideas of theory, but also on the biographical, social, and intellectual influences on each theorist's work. Students will be challenged to think critically about the ideas presented regarding the different theoretical schools and the application of those ideas to contemporary social issues and problems. Prerequisite(s): ENG 1113, 1213 and 9 hours of upper division Sociology including one of the following: SOC 3103 or 3633

or 4243. Enrollment open to Sociology majors only with junior standing or above.

SOC 4773 - Sociological Research

Sociological Research emphasizes quantitative research designs — experiments, quasi-experiments, and correlational designs— are examined. The merits and shortcomings of each technique are reviewed, as well as related issues such as reliability and validity, correlation vs. causation, generalizability, the relationship between theory and research, and ethical considerations. Several qualitative applications in social research are also examined. Prerequisite(s): ENG 1113, 1213, SOC 4043, and 6 additional hours of upper division sociology. Junior or senior standing.

SOC 4910 - Seminar In Sociology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

SOC 4920 - Workshop In Sociology

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SOC 4930 - Individual Study In Sociology

Credit will vary from 1 to 4 hours. Directed intensive study on definite problems or special subjects. It may be a survey of the relevant literature in certain agreed upon areas, or a sociological research project. Prerequisite(s): ENG 1113 and 1213.

SOC 4940 - Field Study In Sociology

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213. Enrollment open to sociology majors only with senior standing.

SOC 4950 - Internship In Sociology

Credit will vary from 1 to 8 hours. Prerequisite(s): ENG 1113 and 1213.

SOC 4960 - Institute In Sociology

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

SOC 4970 - Study Tour In Sociology

Credit will vary. Subject matter will vary within the department's field of study. Prerequisite(s): ENG 1113 and 1213.

SOCIAL STUDIES (SOST)

Department of History & Geography

SOST 4910 - Seminar In Social Studies

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SOST 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SOST 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPANISH (SPAN)

Department of Modern Languages, Literature & Cultural Studies

SPAN 1114 - Elementary Spanish I

This course is an introduction to Spanish grammar and vocabulary and emphasizes the development of speaking, writing, reading and listening

in the language. Credit may not be earned for both SPAN 1114 and SPAN 1243. Heritage speakers of Spanish and students with 2 or more years of Spanish study in high school may not enroll in this course.

SPAN 1224 - Elementary Spanish II

This course builds on the grammar and vocabulary foundations established in Elementary Spanish I and continues to foster the development of speaking, writing, reading and listening in the language. Credit may not be earned for both SPAN 1224 and SPAN 1263. Prerequisite(s): SPAN 1114 or one year of high school Spanish.

SPAN 1243 - Basic Spanish Reading Skills I

An intensive course in reading skills which includes necessary basic principles of pronunciation and grammar. This course is designed for students whose primary foreign language objective is the acquisition of a reading knowledge of Spanish. May not be used to satisfy requirements for a Spanish major or minor. Credit may not be earned for both SPAN 1243, SPAN 1114.

SPAN 1263 - Basic Spanish Reading II

Continuation of SPAN 1243. May not be used to satisfy requirements for a Spanish major or minor. Credit may not be earned for both SPAN 1263, and SPAN 1224. Prerequisite(s): SPAN 1243.

SPAN 2000 - Topics In Spanish

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPAN 2113 - Intermediate Spanish I

This course presents a review of Spanish grammar and application of grammatical principles through extensive composition. Prerequisite(s): SPAN 1114 and 1224.

SPAN 2223 - Intermediate Spanish II

This course focuses on reading and discussion in Spanish designed to expand vocabulary, facilitate oral expression and increase comprehension. Prerequisite(s): SPAN 1114, 1224 and 2113.

SPAN 2333 - Spanish Reading and Composition

Spanish Reading and Composition presents an overview of more complex reading and writing skills in the target language. Prerequisite(s): SPAN 2113.

SPAN 3000 - Workshop In Spanish

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SPAN 3013 - Hispanic American Culture & Civilization

This course presents an overview of Hispanic American culture and its civilization—including its political and artistic history—from its beginning to the present day. Prerequisite(s): (ENG 1213 or 1223 or 1233 or 1243) and SPAN 2113 and 2223 and (HUM 2113 or 2223) and (PHIL 1103 or 1113 or 1123 or 2073). Sophomore standing or above.

SPAN 3023 - Spanish Culture & Civilization

This course presents an overview of Spanish culture and its civilization—including its political and artistic history—from its beginnings to the present day. Prerequisite(s): (ENG 1213 or 1223 or 1233 or 1243) and SPAN 2223 and (HUM 2113 or 2223) and (PHIL 1103 or 1113 or 1123 or 2073). Sophomore standing or above.

SPAN 3213 - Spanish Phonetics

This course is a scientific investigation of the Spanish sound system including its principal phonemes and allophones. Phonetic transcription is included. Prerequisite(s): 2 years of Spanish including SPAN 2113, 2223.

SPAN 3223 - Introduction To Spanish Literature Analysis

This course presents a comprehensive introduction to methods of critical literary analysis as applied to Hispanic literature. A variety of terminology used in literary analysis and criticism, as well as authors, genres, periods, and movements from Hispanic America and Spain are introduced. Prerequisite(s): 14 hours of Spanish including 2113, 2223.

SPAN 3323 - Spanish Translation

This course introduces the strategies for translating short authentic texts from Spanish to English and from English to Spanish. Students will increase their knowledge of complex Spanish grammatical constructions, improve their Spanish vocabulary and gain fluency in expressing themselves in Spanish. Prerequisite(s): SPAN 2113 & 2223.

SPAN 3812 - Spanish Conversation And Total Immersion

This course gives students the opportunity to plan and participate in a total immersion experience during which they will communicate only in Spanish. Students will improve their Spanish vocabulary, will gain greater fluency in Spanish and will increase their confidence in the use of Spanish. Each immersion is constructed with a culturally thematic element so that students will become familiar with specific aspects of hispanic culture. Prerequisite(s): SPAN 2113, 2223.

SPAN 3990 - Advanced Topics In Spanish

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 14 hours Spanish.

SPAN 4113 - Advanced Spanish Grammar

This course provides an intensive analysis of the structure and rules of Spanish grammar with an emphasis on topics that represent a high level of complexity and difficulty. Prerequisite(s): 17 hours of Spanish.

SPAN 4123 - Survey Spanish Literature To 1800

Survey of Spanish Literature to 1800 presents an overview of a variety of genres and authors from Spanish literary movements from the Medieval period through the Romantic period. Prerequisite(s): 17 hours of Spanish including SPAN 3223.

SPAN 4133 - Survey Spanish Literature To Present

Survey of Spanish Literature to the Present presents an overview of a variety of genres and authors from the Romantic period to the contemporary era. Prerequisite(s): 17 hours of Spanish including SPAN 3223.

SPAN 4163 - Early Spanish Drama

This course presents the major literary developments in Spanish drama by movement, period, or author through the eighteenth century. Prerequisite(s): 17 hours of Spanish.

SPAN 4173 - Modern Spanish Drama

This course presents the major literary developments in Spanish drama by movement, period, or author in the 19th and 20th centuries. Prerequisite(s): 17 hours of Spanish.

SPAN 4183 - Early Spanish Novel

This course presents the major literary developments in Spanish novel by movement, period, or author through the 18th century. Prerequisite(s): 17 hours of Spanish.

SPAN 4193 - Modern Spanish Novel

This course presents the major literary developments in Spanish novel by movement, period, or author through the 19th and 20th centuries. Prerequisite(s): 17 hours of Spanish.

SPAN 4223 - Survey Early Latin American Literature

Survey of Early Latin American Literature presents an overview of a variety of genres and authors from pre-Hispanic indigenous works to the Romantic period. Prerequisite(s): 17 hours of Spanish including SPAN 3223.

SPAN 4233 - Survey Modern Latin American Literature

Survey of Modern Latin American Literature examines Latin American literature from Romanticism to the present. Prerequisite(s): 17 hours of Spanish including SPAN 3223.

SPAN 4303 - Women Writing In Spanish America

This course provides a comprehensive overview of Spanish American literature by women writers from diverse periods and geographic regions of central and South America, Mexico, and the Caribbean. Concepts introduced include issues influencing women's roles in Spanish America, such as silencing, otherness, and mythical images of women leading to the formation of false identities. These notions and others are considered in relation to influential political and religious institutions often regarded as instruments of oppression. Prerequisite(s): Seventeen hours in Spanish and written permission of the instructor.

SPAN 4403 - Contemporary Spanish American Drama

This course introduces students to Spanish American dramatic texts dating from approximately 1950 to the present. Among the topics to be explored are the concepts of socially-committed theater, political oppression, dehumanization, lack of communication, and the isolation of the individual from self and society. Prerequisite(s): 17 hours Spanish and written permission of instructor.

SPAN 4900 - Practicum In Spanish

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. Prerequisite(s): 17 hours Spanish.

SPAN 4910 - Seminar In Spanish

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study. May be repeated for additional credit with different course content. Prerequisite(s): 17 hours of Spanish.

SPAN 4920 - Workshop In Spanish

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SPAN 4930 - Individual Study

Credit will vary from 1 to 4 hours. Study matter will vary within the department's field of study. May be repeated for credit up to four hours. Written permission required.

SPAN 4940 - Field Study In Spanish

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

SPAN 4950 - Internship In Spanish

Credit will vary from 1 to 8 hours.

SPAN 4960 - Institute In Spanish

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SPAN 4970 - Study Tour In Spanish

Credit will vary. Subject matter will vary within the department's field of study.

SPECIAL EDUCATION (SPED)**Donna Nigh Department of Advanced Professional & Special Services****SPED 2000 - Topics In Special Education**

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 3000 - Workshop In Special Education

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest

speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SPED 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 4102 - Language Development In Special Education

This course will explore serious language acquisition, language development and components, communication progression, and recognition of non-symbolic communication. Language assessment, formal and informal language teaching strategies, remediation activities, and language service delivery models will be examined. Prerequisite(s): SPED 4123. This course replaces SLP 4003.

SPED 4123 - Teaching Individuals w/Disabilities

Teaching Individuals with Disabilities addresses all special education categories of disabilities, related legal mandates, parent rights, as well as the role of general and special educators in meeting the needs of students with disabilities. Special emphasis is placed on instructional and cognitive strategies to help students with disabilities succeed.

SPED 4212 - Legal Aspects In Special Education

This course involves an exploration of issues relating to the needs and concerns of parents of exceptional individuals and a survey of current legal issues affecting rights and responsibilities of exceptional individuals, parents, and teachers. This course replaces SPED 4621. Prerequisite(s): SPED 4123.

SPED 4232 - Educational Strategies Young Child Special Needs

This course is a study of the growth and development of typical and atypical young children. Included will be an identification of specific disabilities with selection of developmentally and functionally appropriate materials, equipment, environments, and teaching strategies. Prerequisite(s): SPED 4123.

SPED 4242 - Foundations Of Mild/Moderate Disability

This course is designed to teach characteristics and etiology of disabilities such as learning disabilities, mental retardation, emotional disturbance, other health impairment, autism, physical disabilities, etc. and to apply this knowledge to the mild/moderate needs of students with these disabilities in educational settings. In addition, case studies and a variety of interventions will be explored to better analyze and determine services needed. Prerequisite(s): SPED 4123 with a minimum grade of "C". Junior or senior standing.

SPED 4252 - Foundations Of Severe/Profound Disability

This course is designed to assist students in developing proficiency in recognizing and understanding the historical, legal, and ethical history of children preschool to the secondary level defined as needing extensive and ongoing supports. Prerequisite(s): SPED 4123.

SPED 4303 - Assessment/Exceptional Individual

This lecture and application course is an in-depth examination of educational evaluation instruments and their purpose. Emphasis is on a unified team approach of differential diagnosis and treatment. State and federal Special Education assessment mandates for grades K-12 will be covered. Prerequisite(s): SPED 4123.

SPED 4322 - Trends & Issues In Special Education

Trends and Issues in Special Education is a course that will address medical trends, litigation, legislation, controversial issues, curricular development and best practices. It is designed to provide a means of investigation into the review of relevant research, societal changes and the impact on people included in this population. Prerequisite(s): SPED 4123 with a minimum grade of "C".

SPED 4432 - Attention Deficit Hyperactive Disorders

This course is designed to provide information regarding etiology and intervention techniques appropriate to assist individuals with attention deficit hyperactivity disorders. Techniques for assessment, effective research-based intervention, parent and counselor intervention will also be addressed. In addition, students will be exposed to information regarding medications and a variety of alternative treatments that have proven effective for some individuals with ADHD. Prerequisite(s): SPED 4123 with a minimum grade of "C" and junior or senior standing.

SPED 4443 - Behavioral/Classroom Management

This course is designed to provide behavioral and classroom management techniques for teacher candidates, parents, and others. The course emphasizes applied behavioral analysis, cognitive behavioral techniques, informal behavioral assessment, FBAs, BIPs, and a variety of interventions to assist individuals with behavioral and classroom management issues. Prerequisite(s): SPED 4123 and junior or senior standing.

SPED 4452 - Curriculum Modification/Assistive Technology In Special Education

This course will provide an overview of state and national requirements related to the instructional, assistive, and rehabilitation technology designed and adapted for students with disabilities. The emphasis of this course is on practical applications of technology and curriculum modification in helping students with disabilities gain independence in learning, communicating, and integrating into society together with the documentation required by the State's Policy and Procedure Manual. Prerequisite(s): SPED 4123 with a minimum grade of "C" and junior or senior standing.

SPED 4572 - Autism and Traumatic Brain Injury

This course provides a study of the characteristics, etiology, evaluation, and identification of individuals with autism and/or traumatic brain injury. Research-based effective educational programs, assistive technology and other resources for individuals with autism and those with traumatic brain injury (TBI) will be emphasized. Collaboration and training of parents and professionals as required for the development of an individualized educational program will be examined. Prerequisite(s): SPED 4123 or concurrent enrollment.

SPED 4582 - Secondary Special Education

This course will include instruction in class organization, curriculum development and adjustment, and an introduction to methods and techniques of teaching middle and senior high school students with disabilities. Transition needs of students at this level will be emphasized along with the need for cooperation among agency and post-secondary service providers. Students may also be required to participate in a secondary field experience or service learning project. Prerequisite(s): SPED 4123 or 4333.

SPED 4653 - Procedures For Mild/Moderate Learning Disabilities

This course examines in detail the characteristics, identification, program options and learning needs of students who possess normal intelligence but experience difficulties in the ability to think, read, write, listen, speak, spell, and complete mathematical calculations. This course replaces SPED 4503. Prerequisite(s): SPED 4123.

SPED 4693 - Procedures For Severe/Profound Physical Health Disabilities

This course is a study of academic, behavioral, emotional, social and health procedures as well as curriculum modifications that will be research pertaining to the wide range of physical and health disabilities at severe-profound levels. Specialized physical equipment and medical adaptations for this population will be studied in depth. Prerequisite(s): SPED 4123. This course replaces SPED 4563.

SPED 4743 - Procedures For Mild/Moderate Emotional Behavior

This course is a study of teaching students with emotional/behavioral disorders in public schools, early intervention programs, and day care centers. Mental health principles for understanding, managing, and teaching individuals with emotional/behavioral disorders are included. Emphasis is placed upon the academic, behavioral, emotional, and social needs of this mild-moderate disabilities population. Prerequisite(s): SPED 4123. This course and SPED 4753 will replace SPED 4683.

SPED 4753 - Procedures For Severe/Profound Emotional/Behavior

This course is a study of teaching students with emotional/behavioral disorders in public schools, day care centers, hospitals and residential schools. Mental health principles for understanding, managing, and teaching individuals with emotional/behavioral disorders are included. Emphasis is placed upon the academic, behavioral, emotional, and social needs of this severe-profound/multiple disabilities population. Prerequisite(s): SPED 4123. This course and SPED 4743 will replace SPED 4683.

SPED 4763 - Procedures For Mild/Moderate Mental Retardation

This course is a study of application of characteristics, causes, and academic, social, cultural, behavioral, emotional interventions for students with mild-moderate mental retardation. Emphasis is placed upon cultural aspects, organizational skills, time-management, self-advocacy, and methods and techniques of teaching students with mild-moderate mental retardation. Prerequisite(s): SPED 4123. This course and SPED 4773 replaces SPED 4673.

SPED 4773 - Procedures For Severe/Profound Mental Retardation

This course will introduce and investigate the learning needs of children diagnosed with severe educational needs. It will include a study of the history, diagnosis, characteristics classification, ideology, legal regulations, and classroom procedures that are implemented to improve lives of students classified as severely mentally retarded. This course and SPED 4763 replace SPED 4673. Prerequisite(s): SPED 4123.

SPED 4842 - Curriculum Development Mild/Moderate Disability

This course is designed to teach skills necessary to design a program for students functioning at mild- moderate levels of emotional/behavioral disorders, learning disabilities, mental retardation, and developmental disabilities from ages birth to death. The priority academic student skills core curriculum, counseling techniques, transition programs, and parent involvement training/behavior management programs will be studied to meet specific needs of Oklahoma school districts. Collaboration and communication strategies will also be studied in depth. Prerequisite(s): SPED 4123.

SPED 4852 - Curriculum Development Severe/Profound Disability

This course will cover in detail integrated instructional settings, family interactions IEP, IFSP Development, collaborative planning, effective behavioral supports, related services, functional independent living skill acquisition, cultural issues for children preschool to adulthood, who are taught in the public schools. Prerequisite(s): SPED 4123.

SPED 4900 - Practicum In Special Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 4910 - Seminar In Special Education

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

SPED 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

SPED 4950 - Internship

Credit will vary from 1 to 8 hours.

SPED 4960 - Institute In Special Education

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

SPED 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

STATISTICS (STAT)**Department of Mathematics and Statistics****STAT 2000 - Topics In Statistics**

Credit will vary from 1 to 4 hours. A general survey of select scientific topics.

STAT 2103 - Introduction to Statistics for Sciences

This course is an introduction to statistical methods with an emphasis on scientific applications. Students will be exposed to descriptive statistics, estimation methods, hypothesis tests, linear regression, and correlation. Prerequisite(s): MATH 1513 with a minimum grade of "C" or high school Algebra II with a minimum grade of "C".

STAT 2113 - Statistical Methods

Topics for this course include basic experimental statistics, methods of estimation, tests of significance, linear regression, and correlation. Prerequisite(s): MATH 1513 or high school Algebra II or higher.

STAT 3000 - Workshop In Statistics

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

STAT 3990 - Advanced Topics In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 4103 - Applied Experimental Design

Topics for this course include basic concepts of experiments and experimental error, analysis of variance of one-, two-, and three-way classification, analysis of covariance, and nested and incomplete block designs. Prerequisite(s): STAT 2113 with a minimum grade of "C". Junior or senior standing.

STAT 4113 - Mathematical Statistics I

This course covers probability distributions, expected values, moments, sampling distributions, and point estimation. Prerequisite(s): MATH 2343.

STAT 4123 - Mathematical Statistics II

This course covers multivariate normal distribution, maximum likelihood estimators, interval estimation, test of hypothesis, linear regression, decision theory, sequential analysis, and distribution free methods. Prerequisite(s): STAT 4113.

STAT 4213 - Applied Regression Analysis

Topics for this course will include multiple regression, logistic regression, survival analysis, proportional hazard models, and time series

analysis. Data will be analyzed using SAS. Prerequisite(s): STAT 2113 with a minimum grade of "C". Junior or senior standing.

STAT 4253 - Computer Applications In Statistics

This course will include programming techniques, data organization, selection and interpretation of statistical tests as applied to SPSS (Statistical Package for Social Studies). Prerequisite(s): STAT 2113 with a minimum grade of "C" and junior standing or above.

STAT 4313 - Nonparametric Statistics

This course will introduce students to alternatives to normal-theory statistical methods including rank-based methods, permutation tests, and bootstrap methods. Data will be analyzed using SAS and/or R. Prerequisite(s): STAT 2113 with a minimum grade of "C" and junior standing or above.

STAT 4353 - Probability Theory

This course covers generating functions, Markov chains, Classical probability theory, discrete sample spaces, combinatorial analysis, distributions, and random walks. Prerequisite(s): MATH 2333.

STAT 4513 - Statistical Consulting

In this course, students will provide statistical consulting services to clients from the community. Students will be working on-site, meeting with the clients, developing statistical questions, and collecting data. They will then analyze the data and prepare both written and oral reports to be given to the clients. Prerequisite(s): STAT 4103 or 4213 or 4253 or 4313.

STAT 4900 - Practicum In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 4910 - Seminar In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 4920 - Workshop In Statistics

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

STAT 4930 - Individual Study In Statistics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

STAT 4950 - Internship In Statistics

Credit will vary from 1 to 8 hours.

STAT 4960 - Institute In Statistics

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

STAT 4970 - Study Tour In Statistics

Credit will vary. Subject matter will vary within the department's field of study.

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL)

Department of Curriculum and Instruction

TESL 2000 - Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 3000 - Workshop

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of 'P' or 'F' is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

TESL 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 4113 - Teaching English as Second Language

This course provides the theoretical and practical foundations for teaching English as a second language. Upon completion, students will demonstrate a proficiency in utilizing ESL methodology, managing an ESL classroom and in developing and adapting supplementary materials for ESL instruction. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4113.

TESL 4123 - Foundations Of Bilingual/Multicultural Education

This course provides an overview of the history, philosophy and theoretical framework of bilingual/multicultural education, including the legal aspects of federal and state involvement. The purposes, instructional models, and populations served by bilingual education will be examined. Upon completion students will be able to discuss the issues concerning the development, the effectiveness, current trends, and future projections for bilingual/multicultural education programs in the U.S. Students will also develop a personal educational philosophy regarding cultural and linguistic diversity. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4123.

TESL 4133 - Methods & Materials Bilingual Instruction

This course is designed to provide knowledge of current trends, methods, strategies and resources related to instructional issues and practices in bilingual settings. Upon completion, students will demonstrate proficiency in designing and adapting curriculum materials for bilingual classrooms, and planning and implementing bilingual instruction. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4133.

TESL 4143 - Teaching Reading To English Language Learners

This course will examine the basic considerations for teaching reading to limited English speakers. Topics will include the role and importance of literacy, assessment, readiness, language comprehension/skills development, and instructional materials, strategies and resources. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4142.

TESL 4163 - ESL In Content Areas

This course will provide a rationale for cultural and linguistic considerations in content area instruction for students who are limited English proficient. Different approaches and specific techniques for teaching English as a second language, in content areas will be examined, specifically in social studies, science, and math. Upon completion, students will demonstrate an ability to design curriculum which integrates content area processes and ESL methodology. Prerequisite(s): Junior standing and 15 credit hours education courses. This course replaces ELED 4162.

TESL 4203 - Second Language Acquisition

This course will provide an extensive review of research and literature in the field of second language acquisition. Students will examine the developmental nature of second language proficiency and the various factors that influence the process. Prerequisite(s): Junior standing and 15 hours of education or related courses. This course replaces ELED 4203.

TESL 4212 - Cultural/Linguistic Diversity In Schools

This course will examine the influence of cultural and linguistic diversity in the classroom on learning styles, behavior patterns and instructional content. Theoretical and practical considerations for synthesizing multicultural curriculum design with language and concept development will be explored. Upon completion students will be able

to utilize techniques and strategies that promote cross-cultural awareness and understanding and academic achievement for all students in multilingual, multicultural classrooms. Prerequisite(s): Junior or senior standing.

TESL 4222 - Teaching ELL in Grades PreK-8

In this course, students will examine both the theoretical and research-based, constructivist practices for teaching English language learners (ELLs) in early childhood and elementary mainstream classrooms. Upon completion students will understand the challenges faced by ELLs culturally, linguistically, and academically, and will be able to design and implement effective, developmentally-appropriate, instructional adaptations of grade-level content for students at various levels of language proficiency. Prerequisite(s): PTE 3023 with junior or senior standing.

TESL 4232 - Teaching Secondary English Language Learners

In this course, students will examine both the theoretical and research-based, practical perspectives for teaching English language learners (ELLs) in secondary mainstream classrooms. Upon completion students will understand the challenges faced by ELLs culturally, linguistically, and academically, and will be able to design and implement effective instructional adaptations of grade-level content for students at various levels of language proficiency. Prerequisite(s): PTE 3023 with junior or senior standing.

TESL 4313 - Testing/Evaluation In The Bilingual/ESL Classroom

This course will examine the issues and concerns of language and achievement assessment in bilingual education and English as a second language programs. Various standardized tests will be reviewed and analyzed. Principles and techniques of teacher-made tests construction will be studied and applied in the development of an original assessment instrument. Prerequisite(s): Junior standing, TESL 4113 or 4143 or 4163.

TESL 4413 - Language Structure For ESL Teachers

This course provides practical as well as theoretical information related to the fundamentals of the structure of language as it pertains to the teaching and learning of English language learners. Students will be able to apply their understanding of the underlying processes of the ability to produce and interpret oral and written language by developing and analyzing teaching strategies and materials for second language learners. Prerequisite(s): Senior standing.

TESL 4900 - Practicum

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 4910 - Seminar

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

TESL 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

TESL 4950 - Internship

Credit will vary from 1 to 8 hours.

TESL 4960 - Institute

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

TESL 4970 - Study Tour

Credit will vary. Subject matter will vary within the department's field of study.

THEATRE ARTS (THRT) Department of Theatre Arts

THRT 1311 - Production and/or Performance: Scene Shop

In this course students will participate in the production and/or performance of current semesters' CFAD presentations. Students will be assigned to work in the Scene Shop area. This course may be repeated up to eight hours for credit.

THRT 1313 - Introduction To Theatre

This course is designed to introduce the student to a brief history of the theater and the functions of the playwright, actor, director, producer, critic and technical theatre designers. It includes a look at contemporary theatre in America, and the course will help develop an appreciation and understanding of the theatrical experience.

THRT 1321 - Production and/or Performance: Costume Shop

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Costume Shop area.

THRT 1331 - Production and/or Performance: Electrics Shop

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Electrics Shop area.

THRT 1341 - Production and/or Performance: Sound Shop

In this course students will participate in the production and/or performance of the current semesters' CFAD presentations. Students will be assigned to work in the Sound Shop area.

THRT 1513 - Beginning Acting

Designed to acquaint the beginning actor with the fundamentals of acting, this course explores the physical, vocal, emotional and technical aspects of the actor's craft in an effort to foster an appreciation of the actor's role in the theatrical experience. Credit cannot be earned for both THRT 1513 and THRT 1523.

THRT 1523 - Beginning Acting For Majors

Designed for the beginning actor with prior on-stage experience, this course explores the physical, vocal, emotional, and technical aspects of the actor's craft in depth, as a beginning preparation for further study. Credit cannot be earned for both THRT 1513 and THRT 1523. Prerequisite(s): Enrollment open to Theatre Arts, Music Theatre or Dance Education majors only.

THRT 1533 - Voice And Diction

This course covers the study of vocal mechanism, phonetics, and related exercises to improve a student's voice, articulation, and expressive intonation. It is helpful for students wishing to eliminate a regional accent. This course is cross-listed with COMM 2103.

THRT 1553 - Foundations of Theatre Arts

Foundations of Theatre Arts introduces incoming freshman and transfer students to the BFA degree programs in Performance, Design/Tech, and Theatre Education at UCO. Designed as a foundational course for all Theatre majors, the curriculum addresses the expectations, principles, and procedures for successful matriculation into the Department of Theatre Arts.

THRT 1613 - Voice and Movement 1

Voice and Movement 1 is the fundamental, laboratory course familiarizing the actor with proper breathing, resonance and articulation.

Students will engage in floor exercises and theatre games to relax the body, eliminate accumulated posture and breathing dysfunctions and begin practicing appropriate support for a stage worthy vocal instrument. Prerequisite(s): Enrollment open to Theatre Arts and Music Theatre majors only.

THRT 2000 - Topics in Theatre Arts

Credit will vary from 1 to 5 hours. Subject matter will vary within the department's field of study.

THRT 2013 - Elements of Communication I

This is an introductory communication education class for Theatre/Communication Education students. It emphasizes concepts within the areas of communication theory, interpersonal communication, public communication and other elements related to communication that would be taught within a secondary education classroom. Prerequisite(s): MCOM 1113 and sophomore standing or above. Enrollment open to Theater/Communication Education majors only.

THRT 2033 - Theatre Appreciation

This course is a study of visual and performing arts through a range of global and cultural perspectives. Students will analyze and discuss key components of the live theatrical experience.

THRT 2113 - Performance of Literature

This course is an introductory study and practice in oral performance of literature with emphasis on the following elements: recognizing and selecting worthwhile literature; utilizing audience analysis; conducting literary analysis; adapting literature for performance purposes; writing introductions; practicing technical skills for delivery; performing literature; and evaluating performances of literature. Prerequisite(s): Sophomore or above standing.

THRT 2123 - Stage Make-up

This course is designed to acquaint students with the purpose, principles, practices and materials of stage make-up. The course covers straight and character make-up, national types, fantasy types, and the application of hair, latex and other make-up elements. Main emphasis will be on actual practice. Prerequisite(s): Sophomore standing or above.

THRT 2133 - Stage Lighting

This course is designed to introduce the student to the theory and practice of stage lighting. Specific concepts include: light, stage lighting equipment, terminology, control systems, basic electrical theory, color theory, basic organizational paperwork, and the practice of effective lighting design.

THRT 2153 - Stagecraft

Designed to introduce the student to the technical aspects of theatre, this course includes learning about backstage materials and the construction of theatrical sets and stage properties in an effort to better appreciate the theatrical experience.

THRT 2163 - Sound Technology for Theatre

This course is an introduction to the tools used in the field of theatrical sound design and reinforcement. It is the foundation course for further study in sound design. The topics covered will include acoustic fundamentals, sound reinforcement systems, intercom communication systems and digital audio editing. Prerequisite(s): Sophomore standing or above.

THRT 2173 - Stage Costume

This course is a study of the historical styles, methods, movement and dramatic analysis in stage costumes as applied to contemporary practice. Includes learning basic costume and sewing techniques through experience in the costume shop.

THRT 2233 - Voice and Movement 2

Voice and Movement 2 continues to examine the disciplines and practices introduced in Voice and Movement 1. The primary focus is now controlling and using resonance to enhance expressive intona-

tion. Group work is introduced for more physical control and text analysis is introduced with specific emphasis on vocal interpretation. Prerequisite(s): THRT 1613, 1523 or 1513. Enrollment open to Theatre Arts majors only.

THRT 2243 - Scene Painting

This course will introduce the student to the principles, theories, processes, and materials that are used for painting stage settings and properties for the theatre, television, film, and other media. The students will be taught the techniques for using and maintaining basic painting tools. Safety procedures will also be emphasized. The student will discover color principles in several painting projects. Prerequisite(s): THRT 2153.

THRT 2253 - Theatrical Lighting Technology

This course introduces students to the basics of Theatrical Lighting Technology. Students will learn how to safely operate and evaluate the components of a variety of frequently used theatrical lighting equipment. This experience with equipment will range from basic cabling, dimming systems, and simple consoles to more advanced lighting systems that utilize automated fixtures and their controllers. This course will also discuss the current trends in dimming protocol. This will be accomplished through lectures/discussions, exercised and hands-on projects in and outside the class meetings. Prerequisite(s): THRT 2133.

THRT 2303 - Script Analysis

This course will enable students to acquire the basic techniques of reading and thoroughly analyzing the play script as the foundation for their interpretive creative work. Topics included in the course content are dramatic structure, character, genre and style. Students will complete a full analysis of a play script based upon specific weekly exercises, lectures and readings. Prerequisite(s): Enrollment open to Theatre Arts majors only.

THRT 2313 - Stage Combat

This course will introduce the student to techniques that can safely create the illusion of a fight in live theatre. These include hand to hand combat and sword fighting, broadsword, shield, rapier, and dagger fighting and other stage weapons most commonly used in Classical theatre. Prerequisite(s): THRT 1513 or 1523.

THRT 2373 - Costume Construction

This course is an introduction to the skills used by a costume technician. It is a foundation course for further study in Costume Design. This course will focus on training the costume technician in the basic skills that are used in any costume shop.

THRT 2423 - Argumentation and Debate

Argumentation and Debate teaches students critical thinking and argument-construction skills. Students will engage in a series of written and oral arguments that will enhance their strategic argumentation skills, and they will learn to apply those skills in a variety of settings. Students will also learn how to prepare for secondary school activities of Lincoln-Douglas, policy, public forum, and legislative debate as well as how to prepare for intercollegiate debate competitions. Prerequisite(s): ENG 1113 and 1213.

THRT 2513 - Competitive Oral Interpretation

This course will explore the components of competitive oral interpretation that is used on the intercollegiate competitive speech level and on the secondary level including humorous interpretation, dramatic interpretation, prose, poetry, oratory and poetry oral interpretation. Prerequisite(s): THRT 2113

THRT 2613 - Intermediate Acting

This course is an intensive study of character approach and development with special emphasis on scene work designed to strengthen the actor's ability to believably create a character within a scene.

Prerequisite(s): THRT 1523 or 1513. Enrollment open to Theatre Arts and Music Theatre majors only.

THRT 2643 - Shakespeare in Performance

This course is designed to provide students with an intensive study of performing Shakespeare on stage with special emphasis on verse and character analysis. Soliloquies and scenes will be developed and performed in class. Prerequisite(s): THRT 1513 with written permission of instructor or 1523, 2613, 3583, and sophomore standing or above. Enrollment open to Theatre Arts majors only.

THRT 2901 - Portfolio Seminar

In this course students prepare, present and promote their talents primarily centered within the work created in Theatre Arts, Design and Technology. Students will create a resume, a specialized hard case portfolio and a digital portfolio. Portfolios will include completed and on-going designs, projects and class assignments. Students will display their portfolios and effectively articulate to the faculty and staff of the department the significance of the work included in the portfolio. Prerequisite(s): Sophomore standing or above.

THRT 3000 - Workshop In Theatre Arts

Credit will vary from 1 to 6 hours. Subject matter will vary within department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

THRT 3013 - Elements of Communication II

This is a communication education course for Theatre/Communication Education students. It emphasizes concepts within the areas of mass communication, group communication and other elements related to communication that would be taught within a secondary education classroom. Prerequisite(s): MCOM 1113 and THRT 2013 and sophomore standing or above. Enrollment open to Theatre/Communication Education majors only.

THRT 3113 - Technical Production

This course introduces students to the technical direction process. Students will learn how to analyze a scenic design on paper and recreate it on the stage. Topics covered will include estimating costs, budgeting and purchasing materials, technical drafting, labor management, loading in a production and safety. Prerequisite(s): THRT 2153, 3733 and sophomore standing or above.

THRT 3133 - Set Design

This course is a study of historical styles, methods, and dramatic analysis for the scene design as applied to contemporary practice. It includes learning basic drafting skills and developing design techniques through a series of creative projects. Prerequisite(s): THRT 2153 2303 and 2901 with a minimum grade of "B".

THRT 3142 - Stage Management

This course will encompass the introductory skills required to successfully stage-manage a production. These skills include but are not limited to: rehearsal and performance management, creation and timely completion of time-sensitive production documents, smoothly running the technical rehearsals and performances. Prerequisite(s): THRT 2153 with sophomore standing or above.

THRT 3151 - Stage Management Lab

In this course the student will be a member of the Stage Management team for one of the Mitchell Hall productions. During this process the students will apply the skills and create the documents discussed in the Stage Management lecture course. The Stage Management Lab course requires significant evening and weekend time commitments. Prerequisite(s): THRT 3142 or concurrent enrollment.

THRT 3163 - Dramatic Sound Design

This course covers the process for creating sound designs for theatrical productions. Topics covered will include script analysis, music selection, creating sound effects, digital editing, recording and storytelling through sound. Prerequisite(s): THRT 2303 and 2163.

THRT 3243 - Coaching Competitive Speech/Drama

This course is a study of the strategies, objectives, and philosophy for speech, literature interpretation, and drama extracurricular activities in the secondary schools. Prerequisite(s): MCOM 1113 and THRT 2113 with a minimum grade of "C". Junior or senior standing.

THRT 3252 - Coaching Competitive Debate

This course is a study of strategies, objectives and philosophies for competitive debate activities in the secondary schools. Prerequisite(s): THRT 2423 with junior standing or above.

THRT 3313 - Developing The Short Play

This course will investigate principles of dramatic character structure, language and other aspects of the playwright's art through a sequence of specific, creative writing exercises. Students scenes will be performed, discussed and supplemented with lectures and readings, culminating in the student's creation of a short play. Prerequisite(s): Junior or senior theatre arts majors.

THRT 3343 - Development of Drama

Development of Drama is a survey of dramatic literature from antiquity to the present. The course examines a comprehensive list of plays in terms of content, style, and theme. Additionally, the course views each play as a benchmark in the history of theatrical performance, as well as contemporary and future stagings.

THRT 3403 - Costume History 1

This is a lecture-based survey course that traces the history of dress from ancient times through the Baroque Period. The emphasis is on the historical and societal factors that produced particular manners and styles of dress suitable for theatrical costuming. It is designed to encourage students to participate in the world around them which develops critical thinking skills. Prerequisite(s): THRT 2133, 2153 and 2173 with a minimum grade of "B" and sophomore standing or above.

THRT 3413 - Period Styles 1

This course provides a chronological study of the decorative styles of architectural and period culture from Pre-history through the Mannerist Period. This information is acquired through lecture/demonstration as well as intensive library research. The student is expected to evidence application of this knowledge in classroom design assignments in both scenic and property design. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153 and 2173 with a minimum grade of "B" and sophomore standing or above.

THRT 3423 - Costume Design

This course introduces the student to the technical skills and artistic vision that comprise the process of designing costumes for a range of theatrical styles and genres. The emphasis is on text and character analysis as well as library research. Skills such as basic drawing and other visual options are offered as ways of improving collaborative communication. The in-class exercises culminate in a final design project embracing a complete production's costume renderings accompanied by appropriate research and written materials. Prerequisite(s): THRT 2173, 2303 and 2901 with a minimum grade of "B" and sophomore standing or above.

THRT 3433 - Period Styles 2

This course provides a chronological study of the decorative styles of architectural and period culture from the Mannerist Period through the present. This information is acquired through lecture/demonstration as

well as intensive library research. The student is expected to evidence application of this knowledge in classroom design assignments in both scenic and property design. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153, 2173 and sophomore standing or above

THRT 3443 - Costume History 2

This is a lecture-based survey course that traces the history of dress from the Baroque Period through the present. The emphasis is on the historical and societal factors that produced particular manners and styles of dress suitable for theatrical costuming. It is designed to produce critical thinkers who look at and participate in the world around them. Prerequisite(s): THRT 2133, 2153 and 2173 and junior standing or above.

THRT 3513 - Voice, Speech, and Dialect

Voice, Speech, and Dialect is a studio course designed to explore a wide range of vocal techniques for the purpose of performance, including the fundamentals of developing a stage dialect. The course is focused on improving vocal clarity, expressiveness and projection, as well as building vocal confidence both on and off stage. Prerequisite(s): THRT 1523 and 1553. Enrollment open to Theatre Arts majors with sophomore stand or above.

THRT 3543 - Lighting Design

This course explores the steps in the lighting design process and how effective lighting enhances the quality of a realistically styled theatrical production. This is achieved through the student's effective use of the terminology, instrumentation, equipment, and software programs such as Vectorworks and Lightwright. To support the student's ability to recognize and describe the characteristics and qualities of light, students create lighting journals that document their skills in this area. The projects and journals from this course will be compiled so that they may be effective portfolio pieces that promote their talents. Prerequisite(s): THRT 2133, 2303, and 3733 (or concurrent enrollment) with a minimum grade of "B" and sophomore standing or above.

THRT 3563 - Audition Techniques

In this course, students will develop their acting expertise within the parameters of an audition. Included will be the preparation of contemporary and Classical monologues for use at professional theatre, film and television auditions, as well as for entry into graduate school MFA programs. Prerequisite(s): THRT 1523, 2613, 3583 and senior standing. Enrollment open to Theatre Arts majors only.

THRT 3583 - Improvisational Acting

This course is designed to provide an intensive study of the theories, principles and techniques of improvisational acting. This study will culminate in a public performance. Prerequisite(s): THRT 1513 (with written permission from instructor) or 1523. Enrollment open to Theatre Arts-Performance, Theatre/Communication Education, Music Theatre majors and Theatre Arts minors only.

THRT 3633 - Voice and Movement 3

The lab course continues the progression of voice and movement training for the theatre performance major. The students will continue improving their alignment, vocal quality, and breathing. They will also be introduced to period movement. Prerequisite(s): THRT 1613, 3583, 2233, and 2613 and sophomore standing or above. Enrollment open to Theatre Arts majors only.

THRT 3723 - Professional Company Experience

This course is designed to enable students to experience supervised hands-on training in the production and/or performance of theatrical presentations at professional and semi-professional theatres. It may be repeated 3 times (maximum total of 4 times) for credit. Prerequisite(s): Written permission of the instructor.

THRT 3733 - Theatre Graphics

This course introduces fundamentals of drafting techniques and the artistic and mechanical conventions used in the drawings and plans for theatrical design. The student analyzes designs and communicates specific drafting and design problems in longhand techniques. Prerequisite(s): Sophomore standing or above.

THRT 3743 - Computer Graphics

This is a lecture and laboratory experience through which the student understands and employs software to aid in drafting, design and technical drawing for theatrical construction and design. The student will be able to produce plans for construction, scene designs and plots for lighting to contemporary industry standards. Prerequisite(s): THRT 3733 with a minimum grade of "B" and sophomore standing or above.

THRT 3990 - Advanced Topics

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

THRT 4313 - Advanced Set Design

This course is the capstone event of a scene design student's process with the textual analysis, research, conception and execution of a complete stage design. The student will thoroughly analyze dramatic texts and articulate and conceptualize design proposals as well as demonstrate artistic control of drawing, painting and various expressive mediums. Advanced model making is practiced as are the unique characteristics of thrust, in-the-round and proscenium stages. The student is expected to become fluent in the language of collaborative communication. Prerequisite(s): THRT 3133, (3413 or concurrent enrollment), 3433 and 3733 with a minimum grade of B. Junior or senior standing.

THRT 4323 - Advanced Lighting Design

The Advanced Lighting Design course continues the exploration of the design process through the examination of conceptual and technical requirements of various genres and styles of productions. The student will explore in greater detail the textual analysis, historical and cultural research, documentation and budgetary constraints from completing multiple lighting design projects. This is achieved through the student's effective use of the terminology, instrumentation, equipment, and software programs such as Vectorworks and Lightwright. To support the student's ability to recognize and describe the characteristics and qualities of light, students create lighting journals that document their skills in this area. Students will complete a research paper that compares and contrasts the design aesthetics of two lighting designers of their choice. The projects, paper and journals from this course will be compiled so that they may be effective portfolio pieces that promote their talents. Prerequisite(s): THRT 3413, 3543, 3733 with a minimum grade of "B" and junior or senior standing.

THRT 4333 - Advanced Costume Design

This course is the capstone course of a costume design student's experience with the textual analysis, research, conception and execution of a complete costume design. The student will thoroughly analyze dramatic texts and specifically individual characters as well as demonstrate artistic control of drawing, painting and various expressive mediums. The student is expected to become fluent in the language of collaborative communication. Prerequisite(s): THRT 3413, 3423, 3433 (or concurrent enrollment) and 3733 with a minimum grade of "B" and junior or senior standing.

THRT 4353 - Theatre History I: Origin to Renaissance

Theatre History I is a comprehensive survey on the origin and development of worldwide theatre traditions from ancient civilizations through the Renaissance. Emphasis is placed on the evolution of human performance, theatrical production and drama literature. Prerequisite(s): Junior or senior standing.

THRT 4363 - Theatre History II: Renaissance to Contemporary

Theatre History II is a comprehensive survey on the development of worldwide theatre traditions from the late-seventeenth century to twenty-first century. Emphasis is placed on the cultural impact of theatrical performance and the evolution of dramatic genres, literature and styles. Prerequisite: junior or senior standing.

THRT 4513 - Advanced Improvisational Acting

This course is designed to include intensive study of the theory, principles and techniques of improvisational acting, focusing on sketch comedy preparation and performance, and advanced improvisational concepts. This study will culminate in a public performance. Prerequisite(s): THRT 1513 or 1523 and 3583.

THRT 4623 - Acting Styles 1

This course will provide students with an intensive study of various historical styles of acting ranging from the ancient Greeks to the theatre of the twentieth century. Monologues and scenes from various periods will be presented in class. Prerequisite(s): THRT 1523, 2613, 2643, and 3583. Junior or senior standing. Enrollment open to Theatre Arts - Performance majors only.

THRT 4633 - Acting On Camera

This course is designed as an intensive study of the theories, principles and techniques of acting on camera for both television and film. Practical application of techniques will culminate in the development of each student's video record of the interviews, monologues and scenes prepared in class. Prerequisite(s): THRT 1513 or 1523.

THRT 4712 - Directing and Collaboration

Directing and Collaboration is a studio course designed as an exploration into the aesthetics, principles, and techniques of theatre direction and creative collaboration. Emphasizing a hands-on approach, the course requires students to work as a company and produce a festival of short plays for public performance. Prerequisite(s): Senior standing. Concurrent enrollment in THRT 4731 is required. Enrollment open to Theatre Arts majors only.

THRT 4723 - Acting Styles 2

In this course students will create and perform a variety of scenes, mini-plays, and monologues from a variety of non-realistic theatrical genres. Prerequisite(s): Junior standing or above and satisfactory completion of a formal jury required. Enrollment open to Theatre Arts majors only.

THRT 4731 - Directing and Collaboration Lab

Directing and Collaboration Lab is a counterpart to the Directing and Collaboration studio course. In the lab, students will apply the aesthetics, principles, and techniques of theatre direction and creative collaboration in an effort to produce a festival of short plays for public performance. Prerequisite(s): Senior standing. Concurrent enrolment in THRT 4712 is required. Enrollment open to Theatre Arts majors only.

THRT 4812 - Irene Ryan Studio

This course will prepare students selected as Kennedy Center American College Theatre Irene Ryan Acting Nominees and their partners to compete at the Region VI Festival.

THRT 4843 - Methods Of Teaching Speech/Drama/Debate

The course will address problems and methods of teaching speech/drama/debate in the secondary schools. Prerequisite(s): Admission to Teacher Education program. Junior or senior standing.

THRT 4863 - Career Advancement/Recital

This course provides the student with an in-depth study of career paths in theatre, television, film, and graduate school. Topics include auditions, photographs, resume preparation, professional unions, and interview strategies. Additionally, students will prepare material such as—a one person show, monologues, and/or scenes that will showcase

their talent in a final public performance that will be juried by the theatre faculty. Prerequisite(s): THRT 1523, 2613, 2643, 4723 and senior standing. Enrollment open to Theatre Arts - Performance majors only.

THRT 4873 - Design Thesis

This course is the student's capstone requirement. The student will participate in their area of expertise: costume, light or scene design - in the collaborative effort of director, designers and acting company. The student will produce a coherent analysis, interpretation and public presentation of a dramatic script; accompanying the project with documented research and appropriate, field specific demonstrations of drawing, rendering, plotting, model building, etc. skills. The course is completed with the execution of a major production's design. Prerequisite(s): THRT 4313 or 4323 or 4333 with a minimum grade of "B" and senior standing or above.

THRT 4881 - Design Exit Portfolio

This course guides the students in their completion of a professional level portfolio. A faculty jury views the results and provides advice and exercises are conducted to prepare the student for their job or graduate school interviews. Prerequisite(s): THRT 4313 or 4323 or 4333 with a minimum grade of "B" and senior standing or above.

THRT 4900 - Practicum In Theatre Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

THRT 4910 - Seminar In Theatre Arts

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

THRT 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

THRT 4930 - Individual Study

Credit will vary from 1 to 4 hours. Subject matter will vary within the department's field of study.

THRT 4940 - Field Study In Theatre Arts

Credit will vary from 1 to 6 hours. Subject matter will vary within the department's field of study.

THRT 4950 - Internship In Theatre Arts

Credit will vary from 1 to 8 hours. Subject matter will vary within the department's field of study.

THRT 4960 - Institute In Theatre Arts

Credit will vary 1 to 8 hours. Subject matter will vary within the department's field of study.

THRT 4970 - Study Tour In Theatre Arts

Credit will vary. Subject matter will vary within the department's field of study.

UNIVERSITY COURSES (UNIV)

University Courses

UNIV 1012 - Success Central

This course assists students in transitioning to university life. The class acquaints students with techniques that encourage student success, improve and refine academic skills, and develop skills and attitudes needed to achieve educational and personal goals. Prerequisite(s): Enrollment open to freshmen only.

UNIV 2000 - Topics

This course of study investigates current or emerging issues in a discipline.

UNIV 2012 - Success Strategies

This is a required course for students with 30 or less credit hours on academic probation. "Success Strategies" will focus on self-evaluation and personal assessment to overcome problems and in developing stronger learning strategies for success in college. It will help identify reasons for experiencing academic difficulty and help students understand university policies and procedures. This course will assist students in development of goals, attitudes, and study skills needed to achieve academic success. Topics addressed will include: goal-setting, time management, study skills, effective writing skills, effective use of campus resources, and emphasis on personal responsibility. Prerequisite(s): Enrollment open to students with thirty or less credit hours newly placed on academic probation or freshman academic notice.

UNIV 3000 - Workshop

This brief intensive course of instruction examines selected topics relating to a technical or professional field. Workshops will use the grading mode of pass-fail (P/F).

UNIV 3990 - Advanced Topics

This course of advanced study investigates current or emerging issues in a discipline.

UNIV 4900 - Practicum

This course of study involves the supervised on/off-campus practical application of previously studied materials.

UNIV 4910 - Seminar

This course of study is directed by a faculty member for providing and discussing information in groups not generally offered in the curriculum.

UNIV 4920 - Workshop

Credit will vary from 1 to 9 hours. Subject matter will vary within the department's field of study. Normally involves lecture, films, guest speaker, etc. A grade of "P" or "F" is given. No more than 6 hours of workshop may be counted toward a bachelor's degree.

UNIV 4930 - Independent Study

This course involves research, directed reading, or other scholarly/creative work under the direction of a faculty member.

UNIV 4940 - Field Study

This course is a directed study or research project in which a student applies principles or knowledge learned in a discipline.

UNIV 4950 - Internship

This course provides an applied, supervised experience in a field related to the student's discipline, normally off campus in business, industry, academe, the arts or government.

UNIV 4960 - Institute

This is a brief intensive course of instruction on selected topics relating to a technical or professional field. This course includes an evaluation of student learning through a project, paper, exam, etc.

UNIV 4970 - Study Tour

Credit will vary. This course involves a travel component during which students are presented visual/real life examples of materials they are studying.