

52 Proposal #
(Academic Affairs use only)

S20hes7 Proposal #
(College use only)

REQUEST FOR A NEW COURSE

University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

Course Subject	Recommended Number	Course Title (maximum of 30 characters) <small>*Remember when abbreviating names, this is how they will appear on student's transcripts.</small>
<u>NTRN</u>	<u>5xx4</u>	<u>Medical Nutrition Therapy</u>

Course Title: (full title of course if longer than 30 characters)

Medical Nutrition Therapy

For information regarding CIP codes contact your department chair or visit: http://www.uco.edu/academic-affairs/ir/program_inventory.asp

CIP Code: 19.0504

For graduate courses, please attach a syllabus for this course. (See syllabus requirement policy 2.2.)

Course description as it will appear in the appropriate catalog.

Course description only Do not include prerequisites or enrollment restrictions, these should be added under questions 6-12.
(Please use standard American English including full sentences.)

This course includes theory and application of medical nutrition therapy that integrates nutrition, biochemistry, physiology and pharmacology in the treatment of various diseases.

Human Environmental Science

Department submitting the proposal

Tawni Holmes
Person to contact with questions

T Holmes2@uco.edu
email address

5781
Ext. number

Approved by:

Kayla Lewis 7-22-20
Department Chairperson Date

Debra Kent-Kelly 8-10-20
College Curriculum Committee Chair Date
(Please notify department chair when proposal is forwarded to dean.)

Karna Cobb 8/18/20
College Dean Date
(Please notify the department chair when proposal is forwarded to AA.)

Academic Affairs Curriculum or Graduate Council Date

Office of Academic Affairs Date

Effective term for this new course
(Assigned by the Office of Academic Affairs.)

52

1. Does this course have an undergraduate / graduate counterpart?

Yes No

2. Is this proposal part of a larger submission package including a program change?

Yes No

3. Does this new course affect a teacher preparation program? (All courses required for any teacher preparation program must have approval from the Council on Teacher Education (CTE) before approval from AACCC or Graduate Council.)

Yes No If yes, send copy of proposal to the Education Curriculum Committee Chair, Dr. Darla Fent.

CTE Approval (Stamp or initial) _____

4. Has this course been previously taught as a common course (4910 seminar, 4960 institute, etc.)?

Yes No If yes, when was the most recent offering? NTRN 5910 Seminar: Medical Nutrition Therapy as a counterpart to NTRN 4034 Medical Nutrition Therapy; Fall 2019

5. Does this course affect majors or minors outside the department?

Yes No If yes, provide name(s) of department chair(s) contacted, dates, and results of discussion.

6. Prerequisite courses:

Example 1: MATH 1213 and (MATH 2165 or MATH 2185) and CHEM 1213 Example 3: 8 hours of biology including BIO 1404
Example 2: (ACCT 2113 and 2213) and (MGMT 3013 or ISOM 3613)

CHEM 3403, BIO 2604, NTRN 2423.

7. Co-requisite(s): Which of the above prerequisite courses, if any, may be taken in the same semester as the proposed new course?

CHEM 3403

8. Concurrent enrollment: Courses that must be taken the same semester. Example: lab courses.

NA

9. Will this course have enrollment restrictions?

Yes No If No, go to question 13.

10. Specify which major(s) may or may not take this course. Specifying a major, excludes all other majors from enrolling.

Check one: May May not

Major Code: 3080 | | | | | | | | | |

11. Which of the following student classification(s) may enroll in this course?

Check all that apply:

Graduate	(2) 19 + hours	<input checked="" type="checkbox"/>
Graduate	(1) 0-18 hours	<input checked="" type="checkbox"/>
Post Baccalaureate *		<input type="checkbox"/>
Senior		<input type="checkbox"/>
Junior		<input type="checkbox"/>
Sophomore		<input type="checkbox"/>
Freshman		<input type="checkbox"/>

* Graduate level courses are not open to Post Baccalaureate students.

12. Check or list other restrictions for this course.

Admission to Graduate Programs

Admission to Nursing Program

Admission to Teacher Education

Other _____

13. **Course objectives:** Objectives should be observable, measurable and include scholarly or creative activities to meet the course level characteristics. Course objectives should also be in line with the course description. (Please refer to instructional objectives documents at: <http://www.uco.edu/academic-affairs/faculty-staff/aacc.asp#FAQ/Helpful%20Hints>.)

Upon successful completion of this course, it is expected that each student will achieve goals of the central six (<http://www.uco.edu/central/tl/central6/index.asp>).

Based on the following tenets, the student will

1. Discipline Knowledge:
 - a. Understand pathophysiology & etiology of specific diseases and disorders.
2. Health and Wellness:
 - a. Correlate pathophysiology, clinical, and biochemical findings with alterations in nutrient needs in specific disease states.
 - b. Demonstrate the ability to work individually and as a team to study and learn medical nutrition therapy effectively.
3. Research, Creative & Scholarly Activities:
 - a. Use reliable resources, including information technology, in clinical nutrition and related areas.

Course Detail Information:

14. Contact Hours (per week)

Lecture hours (in class)

Lab hours (also studios)

Other (outside activities)

15. Repeatable course.

Number of times this course can be taken for credit.

16. Schedule type: (select one only)

Activity P.E. (A)

Lab only (B)

Lecture/Lab (C)

Lecture only (L)

Recitation/Lab (R)

Student Teaching (STU)

Studio Art/Design (XSU)

17. List existing course(s) for which this course will be a prerequisite. Adding a "new course" as a prerequisite to an existing course will likely cause enrollment problems. (Please submit a prerequisite change form for each course for which this course will serve as a prerequisite.)

NA

18. What resources, technology or equipment must be acquired to teach this course? List items, which must be purchased and estimate cost. (Be specific, e.g., technology software, equipment, computer lab; etc.)

No additional resources are associated with this course. The course is currently being taught under a seminar number and is already part of the course/program rotation.

19. The UCO Library has the required library resources available for this new course?

Yes No If yes, provide names of Librarian/Faculty Liaisons contacted, dates, and results of discussion. If no, what additional library resources must be acquired for this new course? List items which must be purchased and estimated cost. (Be specific, e.g., books, magazines, journals, etc.)

Deborah Thompson from the library was contacted on 2/28/2020 and she confirmed that

the library has adequate resources to accommodate this course.
The textbook for the course will be purchased by the students. All additional reading material and resources for this course will be made available online through D2L.

20. Names of current faculty qualified to teach this course.

Tawni Holmes, Susan Woods, Katy Soper

21. Additional faculty (adjunct or full-time) required and specific competencies required to teach this course:

This is a counterpart course, therefore no additional faculty are needed.

22. How will this course be staffed and equipped? Identify the additional costs associated with this new course. If no costs, explain why not.

No additional costs are associated with this course. The course is currently being taught under a seminar number and is already part of the course/program rotation as a counterpart course.

23. Identify the source(s) of funds for any additional costs for the new course. i.e. internal reallocations, special fees from students, etc. If you plan to propose special fees be assessed for this course, be aware there is a separate approval process for special fees.

None needed, counterpart course.

24. Projected enrollment for two academic years following approval of new course:

Semester	20_21	20_22
Fall	5	5
Spring		
Summer		

25. Using State Regents' definition of liberal arts and sciences (quoted below), characterize the course as follows:

Non-liberal arts and sciences
 Liberal arts and sciences

"The liberal arts and sciences are defined as those traditional fields of study in the humanities; social and behavioral sciences; communications; natural and life sciences, mathematics; and the history, literature, and theory of fine arts (music, art, drama, dance). Courses in these fields whose primary purpose is directed toward specific occupational or professional objectives, or courses in the arts which rely substantially on studio or performance work are not considered to be liberal arts and sciences for the purpose of this policy. Courses required for the General Educational Program are not necessarily synonymous or mutually exclusive with the liberal arts and sciences." State Regents Policy and Procedures. Chapter 2, Section 5, "Degree Requirements" part 1, (2). P. II-2-86

26. Please provide a concise, yet comprehensive, statement that explains the reasons for requesting the new course. Include documentation or assessment information supporting the specific request (if possible). Indicate the expected source of student enrollment (majors, minors, programs etc.)

A new course is requested so that the course will have its own course number. It is part of a cross listed undergraduate course and has been being offered as a 5910 seminar section. Nutrition and Food Science majors will take the course either as a major requirement or elective on their plan of study depending on their area of focus in the program.

27. Which of the six transformative learning tenets does this course incorporate? (check all that apply or only those that apply) This question was a directive from the Provost and is used for informational purposes.

Discipline Knowledge
 Leadership
 Research, Scholarly and Creative Activities

Service Learning and Civic Engagement
 Global and Cultural Competencies
 Health and Wellness

 X

28. Clearly explain how the characteristics of this course meet or exceed those outlined in Course Level Characteristics. (Copy and paste table from "Course Level Characteristics" document for the appropriate course level of proposed course. Document may be found on: <http://sites.uco.edu/academic-affairs/files/course-level-characteristics-table.doc> .

5000 LEVEL COURSES

Course Level Characteristics	Please describe how this course meets this requirement.
1. It is assumed that students in these courses have acquired the ability to use language effectively, to engage in analytical thought and creative processes, and to use information and bibliographic sources with skill.	Students in this class complete 3 research reviews, a mock dietetic counseling session, discuss and collaborate on case studies, and write a literature review paper all which require evidence based resources and require critical thought and present that in a thoughtful manner. Students in the graduate program have taken pre-requisite courses which include the skills required for this course.
2. It is assumed that students in these courses have achieved a significant level of maturity in the discipline, evidenced by a considerable background of knowledge.	This course requires advanced knowledge of dietetics. Several foundational courses are required in order to take this course including Intro to Nutrition, Intro to Clinical Nutrition, Organic Chemistry, and Human Physiology.
3. These courses should be more than a mere extension of undergraduate courses. Rather, they should be qualitatively different. At a minimum: <ol style="list-style-type: none"> Students should be required to undertake original scholarly/creative activity. Students should assume greater responsibility for mastering the subject matter. Close working relationships should exist between instructors and students. 	<ol style="list-style-type: none"> Students taking the course for graduate credit will synthesize 4 research articles into a coherent review of literature paper. Will be required to take the lead in a case study group. The instructor assists students in choosing their research paper topic. There is ongoing interaction in the course through discussion and lecture.

Medical Nutrition Therapy NTRN 5XX4

Four (4) credit hours.

COURSE DESCRIPTION: theory and application of medical nutrition therapy that integrates nutrition, biochemistry, physiology and pharmacology in the treatment of various diseases.

HOURS: Mon, Wed 9:30-11:20 pm. **ROOM:** HES 204

INSTRUCTOR:

Tawni Holmes, PhD, RD/LD
(405) 974-5781

tholmes2@uco.edu

Office hours: T 1:30-3, W 11:30-12:30, R 10:45-11:45, 2:30-3

PREREQUISITES: CHEM 3403, BIO 2604, NTRN 2423

Transformative Learning course objectives:

Upon successful completion of this course, it is expected that each student will achieve goals of the central six (<http://www.uco.edu/central/tl/central6/index.asp>).

1. Discipline Knowledge:
 - a. Understand pathophysiology & aetiology of specific diseases and disorders.
2. Health and Wellness:
 - a. Correlate pathophysiology, clinical, and biochemical findings with alterations in nutrient needs in specific disease states.
 - b. Demonstrate the ability to work individually and as a team to study and learn medical nutrition therapy effectively.
3. Research, Creative & Scholarly Activities:
 - a. Use reliable resources, including information technology, in clinical nutrition and related areas.

Competencies: This course meets the following competencies set forth by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) for the Didactic Program in Dietetics (DPD).

KRDN 1.1 Demonstrate how to locate, interpret, evaluate and use professional literature to make ethical, evidence-based practice decisions.

KRDN 2.2 Describe the governance of nutrition and dietetics practice, such as the Scope of Nutrition and Dietetics Practice and the Code of Ethics for the Profession of Nutrition and Dietetics; and describe inter-professional relationships in various practice settings.

KRDN 2.5 Identify and describe the work of inter-professional teams and the role of others with whom the RD collaborates in the delivery of food and nutrition services.

KRDN 2.8 Demonstrate an understanding of the importance and expectations of a professional in mentoring and precepting others.

KRDN 3.3 Demonstrate counseling and education methods to facilitate behaviour change to enhance wellness for diverse individuals and groups.

KRDN 3.5 Describe basic concepts of nutritional genomics.

KRDN 4.3 Describe the regulations system related to billing and coding, what services are reimbursable by third party payers, and how reimbursement may be obtained.

REQUIRED MATERIALS:

Weims, M., Sucher, K., & Lacey, K (2018) Nutrition Therapy and Pathophysiology, 4th ed. Cengage Learning, Boston, MA

Dorland's Medical Dictionary, latest edition. Saunders.

ATTENDANCE: Students are expected to attend class and be on time. **Attendance will be considered in calculation of final grades.**

TEACHING METHODS: The course will utilize a variety of teaching methods including, but not limited to lecture, discussion, case studies, role playing, and videos.

EVALUATION:

GRADING SCALE:

93-100%=A
85-92%=B
78-84%=C
71-77%=D
0=70%= F

	Points
Unit Quizzes (20 pts ea.)	200
Final	100
Critical Reviews (4)	70 (10, 15, 20, 25)
Class participation	10
Dietary Assessment	20
Case Studies	30
MNT mock counselling project	45
Total Points	475

MAKE-UP TEST POLICY: Make-up tests/quizzes will not be given except in an emergency. Please contact instructor prior to the exam if possible.

LATE ASSIGNMENTS: No late assignments will be accepted.

READING ASSIGNMENTS: All students are expected to read all assignments prior to class. Each student should be ready to discuss the material and is responsible for the assignments.

UNIT QUIZZES AND EXAMS: May consist of case studies, essay, and objective questions such as multiple choice, true/false, matching, etc. Exams will cover, but are not limited to, materials from the text, class lectures, handouts, and discussion. The final exam will be cumulative material from the semester. A 20-point quiz will be given during the first 20 minutes of class approximately once/week **on D2L**. It is, therefore, very important that you be on time for class. If you come to class, after the quiz has already been administered you will NOT be allowed to take the quiz. Only points from the top 10 quiz grades will be used in calculating grades, a missed quiz may count as a dropped quiz IF there are more than 10 quizzes given. NO MAKEUP quizzes will be given. If you have a University excused absence you must let me know ahead of time in order to be able to make up the quiz.

Critical Reviews: Students will complete four (4) critical reviews over a selected topic. Each review will be completed over a published research article about a selected topic such as a disease state covered in class with the focus being new nutrition therapies. The first article will be given to you by the instructor. The following 2 articles will be over the same topic of your choice and will form the basis of a literature review. Articles should be original research, from peer-reviewed journals within the **past 5 years**. CARs will be graded based on both content and form. Each CAR will be worth slightly more points than the previous and expectations will be higher for each based on feedback from the instructor. Concise written statements and pertinent criticisms are the goal. In some cases, reviews will be presented orally to the class in addition to written. Format will be given to you in class. These critical reviews will form the basis for your literature review in Advanced Nutrition next semester.

Graduate students in the course will develop the 4 critical reviews into a coherent review of the literature paper to be presented the last week of class. (further guidelines will be given regarding format and requirements)

MNT COUNSELING VIDEO PROJECT:

Specific instructions will be provided in class.

DIETARY ASSESSMENT:

Each student will have the opportunity to do a dietary assessment on either a staff member participating in Broncho Be Fit or a City of Edmond Employee. You will complete an assessment, make recommendations, and write a PES statement. More details will be given. (20 pts)

CASE STUDIES:

We will do approximately 3 case studies in class primarily using collaborative learning. You must be in attendance to do the case study and receive credit. These will not be given to individuals to do on your own for points if class is missed unless it is an excused absence. Graduate students in the course will take a leadership role in the case study groups for purposes of discussion and collaboration. (30 pts)

University policy applies regarding plagiarism and cheating as per the University of Central Oklahoma Code of Student Conduct. <http://online.fliphtml5.com/tisw/liyo/#p=1>

"The University of Central Oklahoma complies with Section 504 of the Rehabilitation Act of 1973 and the American with Disabilities Act of 1990. Students with disabilities who need special accommodations must make their requests by contacting Disability Support Services, at (405) 974-2516. The DSS Office is located in the Nigh University Center, Room 309. Students should also notify the instructor of special accommodation needs by the end of the first week of class."

Statement on Sex and Gender- Based Discrimination: UCO is committed to an inclusive education environment free from discrimination or harassment based on gender, sexual orientation, gender identity or expression. Title IX applies to any person (including students, faculty, staff and visitors) accessing UCO programs or services. All faculty are required to report any discrimination, harassment, or violence covered by Title IX Coordinator, Adrienne Martinez, at (405) 974-3377 or TitleIX@uco.edu. For more information about your options, including reporting and confidential resources, please visit: <http://www.uco.edu/central/title-ix/index.asp>.

TENTATIVE CLASS SCHEDULE Fall 2019

Schedule subject to change based on student and instructor needs

WEEK :	MON TOPIC	Nelms	WED TOPIC	Nelms
1 8/19 & 8/21	Introduction to the course		Digestion 101-Review	14, 15
2 8/26 & 8/28	Upper GI diseases	14	Lower GI disease	15
3 9/2 & 9/4	Labor Day – No class		Liver/Pancreas/GB Quiz 1 (14, 15) CAR #1 Due	16
4 9/9 & 9/11	Endocrine /Diabetes	17	Diabetes Quiz 2 (16)	17
5 9/16 & 9/18	CVD Quiz 3 (17)	13	CVD	13
6 9/23 & 9/25	Renal Quiz 4 (13)	18	Renal	18
7 9/30 & 10/2	Respiratory Quiz 5 (18)	21	Critical Review 2 Due/Discussion	
8 10/7 & 10/9	Coding and Billing – Ms. Susan Woods PhD, RDN		(midterm in App)	
9 10/14 & 10/16	Cancer	23	Hematology	19
10 10/21 & 10/23	Nutrition Support- enteral Quiz 8 (23)	5	Nutrition Support- parenteral Quiz 9 (xx)	5
11 10/28 & 10/30	No class - FNCE Quiz 7 (19)		NO CLASS – prepare for guest speaker in Applications	
12 11/4 & 11/6	Nutrigenomics	10	Metabolic Disorders Quiz 10 (5)	26
13 11/11 & 11/13	Neurological Quiz 13 (10, 26)	20	Governance/scope of practice/precepting.	
14 11/18 & 11/20	Catch up Quiz 11 (20)		Critical Care/Metabolic Stress/HIV	22
15 11/25 & 11/27	Critical Review 3 & 4 Due/Discussions		Thanksgiving Break	
16 12/2 & 12/4	Quiz 12 (22)		Review Lit Review Paper Due	
12/11	FINAL EXAM 9:30-11:20			