REQUEST FOR A NEW COURSE
University of Central Oklahoma

Course Subject (Prefix), Number, and Title:

Course Subject | Number | Course Title (maximum of 30 characters)
----------------|--------|-----------------------------------------------
FRSC | 6143 | Adv CSI and Impression Evid

*Remember when abbreviating names, this is how they will appear on student's transcripts.

Course Title (full title of course if longer than 30 characters)
Advances in Crime Scene Investigations and Impression Evidence

For information regarding CIP codes contact your department chair or visit: http://www.uco.edu/academic-affairs/ir/program_inventory.asp
CIP Code: 43.0406

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.)

Advances in Forensic CSI Impressions Evidence focuses on providing the DSc. student with an opportunity to acquire, develop, and apply knowledge in the forensic disciplines of Crime Scene Investigations and Impressions Evidence. The student will focus on advancing the fields of Crime Scene Investigations and Impressions Evidence by investigating the primary literature from closely related fields of study. Using the primary research material from the parent discipline, the student will develop, write and present on how one would validate a new technique to the applied field of forensic science.

Forensic Science Institute
Department submitting the proposal

Dwight Adams
Person to contact with questions
Dadams8@uco.edu
email address
6915
Ext. number

Approved by:

[Signatures]

Department Chairperson
Date: 11/20/20

College Curriculum Committee Chair
(Please notify department chair when proposal is forwarded to dean.)

College Dean
(Do not notify the department chair when proposal is forwarded to AA.)

JCGS Dean (for Graduate Proposals)

Office of Academic Affairs

Functional Review
undergraduate proposals only)
Effective Term (assigned by AA)
1. Does this course have an undergraduate / graduate counterpart?
   Yes  X  No

2. Is this proposal part of a larger submission package including a program change?
   X  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 AACC or Graduate Council.)
   Yes  X  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  X  No  If yes, when was the most recent offering?

5. Does this course affect majors or minors outside the department?
   Yes  X  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)
   None

7. Co-requisite(s): Which of the above prerequisite courses, if any, may be taken in the same semester as the proposed new course?
   None

8. Concurrent enrollment: Courses that must be taken the same semester. Example: lab courses.
   None

9. Will this course have enrollment restrictions?
   X  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:

11. Which of the following student classification(s) may enroll in this course? Check all that apply:
    Graduate (2) 19 + hours
    Graduate (1) 0-18 hours
    Post Baccalaureate
    Senior
    Junior
    Sophomore
    Freshman
    * Graduate level courses are not open to Post Baccalaureate students.

12. Check or list other restrictions for this course. Admission to Graduate Programs  X
    Admission to Nursing Program
    Admission to Teacher Education
    Other  DSc-Forensic Science
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: https://spaces.uco.edu/display/aaccproposals/UCO+AACC-main+page#UCOAACC-mainpage-faq-helpful-hints.)

Upon successful completion of this course, the student will:

1. Describe the role that forensic science plays in crime scene processing.
2. Construct an effective developmental validation study for implementation of novel impression evidence methods and techniques in forensic science applications.
3. Identify current forms of technology and research that can be applied to the field of crime scene processing and impression evidence.
4. Demonstrate scientific writing skills.
5. Express complex forensic science issues using good oral presentation skills.

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.)

None

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.)

The FSI currently possesses all necessary equipment and technology for this course.

19. The UCO library has the required library resources for the new course:

  |   | Yes | No |
  |   | Yes | No |

If no, provide a list of materials needed and contact the library at libraryresearch@uco.edu for a cost estimate.

Additional funds are being requested for library resources to support this course:

  |   | Yes | No |
  |   | Yes | No |

$ ____________ (amount requested)

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

Staffing for this new course will come from existing faculty that will be supplemented by additional faculty position(s) as described in the proposed program budget.

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

Staffing for this new course will come from existing faculty that will be supplemented by additional faculty position(s). All resources, technology and equipment for this new course already exist within the Forensic Science Institute. No new purchases will be required.

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.

The proposed budget for the program does not require new funds for this course.

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>2021</th>
<th>2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

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.)

The purpose of the proposed course and program would be to train graduate students in a contemporary applied STEM program integrating multiple forensic science disciplines. The program will be designed to provide training and advanced research in complex systems, analytical and quantitative problem solving, multidisciplinary teamwork, and scientific writing/presentation along with technical management that crosses the boundaries of traditional forensic science disciplines while at the same time ensuring that graduates have a depth of understanding in the field. Furthermore, based upon a National Academy of Sciences report related to Forensic Science, the Forensic Science Education Programs Accreditation Commission (FEPAC) has expressed support for institutions of higher education to establish terminal degree programs in Forensic Science. Therefore, with a Forensic Science component,
the proposed DSc-FS program would be unique in the state, and one of the few terminal degrees in the nation addressing the need for training a workforce for the expected growth in forensic science positions.

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

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: https://spaces.ucd.edu/display/aacccproposals/UCO+AACC-main-page#UCOAACC-mainpage-faq-helpful-hints)

### 6000 LEVEL COURSES

<table>
<thead>
<tr>
<th>Course Level Characteristics</th>
<th>Please describe how this course meets this requirement.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. It is assumed that students in these courses have sufficient graduate coursework requiring a serious commitment of time and energy and are pursuing a doctoral degree within the university.</td>
<td>This course is part of the core curriculum for the doctoral degree in forensic science. As such, only students that are admitted to the doctoral program in forensic science will be permitted to enroll in this course. As with all proposed 6000 level courses in the forensic science program, the requirements for this course are robust and sufficient for earning a DSc.</td>
</tr>
<tr>
<td>2. It is assumed that students in these courses have mastered the ability to engage in critical thinking, decision making, and independent judgement while retaining ethical accountability.</td>
<td>Throughout the semester, students will be required to apply the knowledge learned in this class to solve laboratory application problems. Furthermore, tests will include application and critical thinking questions in addition to questions that simply test retention of material. In addition, the very subject matter of this course deals with the application of ethics and accountability toward management of laboratories and the safety of the work product produced.</td>
</tr>
<tr>
<td>3. It is assumed that students in these courses have mastered disciplinary knowledge as evidenced by an ability to engage with and contribute to theoretical and empirical knowledge in the field.</td>
<td>A DSc student in this course will master discipline knowledge in the area of Crime Scene Management and Impression Evidence by: describing the role that forensic science plays in crime scene processing, constructing an effective developmental validation study for implementation of novel impression evidence methods and techniques in...</td>
</tr>
<tr>
<td></td>
<td>forensic science applications, identifying current forms of technology and research that can be applied to the field of crime scene processing and impression evidence, and demonstrating scientific oral and writing skill in complex forensic science issues.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>4.</td>
<td>It is assumed that students in these courses have mastered the ability to design, conduct, evaluate, complete, and disseminate scholarly contributions in the field as well as to provide supervision of scholarly pursuits if assigned.</td>
</tr>
<tr>
<td></td>
<td>This course teaches the key components of Crime Scene Processing and Impression Evidence issues, and will help students to understand the need to produce sound scientific data using appropriate standards and controls, written procedures and method validation no matter what field they are employed in.</td>
</tr>
<tr>
<td>5.</td>
<td>It is assumed that students in these courses demonstrate an individual responsibility, personal accountability, and professional obligation to provide leadership in and a contribution to the field.</td>
</tr>
<tr>
<td></td>
<td>Students will demonstrate individual responsibility, personal accountability, and professional obligations through the graded assessments (i.e. oral and written reports). In addition, contribution to the field will be recognized in the development of papers and policies designed to improve Crime Scene Processing and Impression Evidence throughout the forensic science community.</td>
</tr>
</tbody>
</table>
FRSC 6143 ADVANCES IN CSI and IMPRESSION EVIDENCE
SPRING SEMESTER
CRN TBA
Class Time, Day and Location TBA

Instructor: Dr. John Mabry, Dr. Jennifer Schmitz
Office: FSI
Phone:
E-mail:
Office hours:

Course Description: Current Advances in Forensic CSI/Impressions Evidence focuses on providing the Ph.D. student with an opportunity to acquire, develop, and apply knowledge in the forensic disciplines of Crime Scene Investigations and Impressions Evidence. The student will focus on advancing the fields of Crime Scene Investigations and Impressions Evidence by investigating the primary literature from closely related fields of study. Using the primary research material from the parent discipline, the student will develop, write and present on how one would validate a new technique to the applied field of forensic science.

Course Objectives: Upon successful completion of this course, the student will:

1. Describe the role that forensic science plays in crime scene processing.
2. Construct an effective developmental validation study for implementation of novel impression evidence methods and techniques in forensic science applications.
3. Identify current forms of technology and research that can be applied to the field of crime scene processing and impression evidence.
4. Demonstrate scientific writing skills.
5. Express complex forensic science issues using good oral presentation skills.

Transformative Learning Goals: At the University of Central Oklahoma, we are guided by the mission of helping students learn by providing transformative experiences so that they may become productive, creative, ethical and engaged citizens and leaders contributing to the intellectual, cultural, economic, and social advancement of the communities they serve. Transformative learning is a holistic process that places students at the center of their own active and reflective learning experiences. A student's major field is central to the learning experience and is a vital part of the "Central Six." This course will cover the central six in the following ways.

Discipline Knowledge: This course focuses on the development of well education DSc students, by providing the student with the required discipline knowledge in the areas of scientific research and developmental validation studies.

Leadership: Students in this course will demonstrate leadership skills with in the area of scientific research by directly supervising lab members and informing the Ph.D. advisor of continual progress.

Research, Scholarly and Creative Activities: This course will require students to apply the knowledge learned and present in both verbally and manuscript form.

Textbook Information: No Textbook Required

Grading: There will be two (2) assignments over the course of the semester. The written proposal will be formatted in the form required by a federal granting agency. The final exam will be an oral defense of the written proposal and will be due on TBA date.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Grading Scale</th>
</tr>
</thead>
</table>
| Application Proposal Written | 200 pts | A 90%+
| Application Proposal Oral | 200 pts | B 80-89% |
| Total | 400 pts | C 70-79% |
|          |        | D 60-69% |
Missed Assignments: Missed assignments will be recorded as a zero.

Attendance: You will be expected to attend class and be on time. Attendance will be recorded.

Classroom Policy: Coming to class or exams late, habitually leaving class early, cell-phone use, or creating any disturbance in class is/are not acceptable. Computers will be allowed in the classroom for note-taking purposes only. If you are observed using computers for any other purposes (checking email, etc), you will no longer be allowed to bring them in the classroom. No cell phones or computers are allowed during tests.

Giving of Incompletes (I grades): UCO policy applies and it is not an option for exiting a poor performance. An “I” will be given only if you have completed the course with the exception of some specific material (such as the final), are passing with the exception of the missing material, and we have met to determine when you will make up the material. An “I” will be converted to an “F” if the student does not follow through and complete the material within the stated time limit.

Registering for Audits: This option not possible for this course.

D2L Access and Modules: Course materials will be posted on D2L throughout the semester. Each unit in the class will have a corresponding module on D2L. The modules will contain an overview document (which contains all relevant information for the unit), a pdf of the lecture slides, assigned readings (if applicable), and supplementary material. Please check the course site regularly for information. The D2L website is: learn.uco.edu.

Accommodations: Students with disabilities who should receive accommodations must contact Disability Support Services (DSS) at (405) 974-2516 (V/TTY). The DSS Office is located in the Nigh University Center, Room 305. See me outside of class as soon as possible to better ensure that accommodations are implemented in a timely fashion so that all students get an equal chance to show their understanding and abilities. The University of Central Oklahoma complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990.

UCO Student Information Sheet and Course Concerns or Complaints: The best way to resolve any conflict is through the proper process. You will more likely be able to have your concerns addressed if you work with the instructor. If you cannot resolve your issues with your instructor, then you may proceed according to the guide below.

1. Talk to your instructor first. Make an appointment during his or her office hours to discuss your concern. Be prepared. If your concern is about a grade, be sure to bring in your papers.

2. If you are still unsatisfied, you can talk to the Institute Director (FSI). You can make an appointment by calling (405) 974-6910. Bring any notes or papers that are pertinent, as well as your course syllabus.

3. If you remain unsatisfied after you speak to both your instructor and the Institute Director or Department Chair, you have further options depending on the nature of the concern.
   A.) If your concern deals with a grade issue, the next step involves a formal grade appeal. The procedures are explained in the UCO Catalog.
   B.) If you remain unsatisfied with something other than a grade, you can consult the UCO STUDENT INFORMATION SHEET found at http://sites.uco.edu/academic-affairs/files/aa-forms/StudentInfoSheet.pdf
Please see the UCO Student Information Sheet for UCO policies on Academic Integrity; UCONNECT; D2L; ADA Statement; Incomplete Grades; Withdrawals From Class; Emergency Individual Class Drop or Complete Withdrawal; Important Dates; Semester Holidays; Library Hours; Weather Related Information; Emergencies During Final Exams; Final Exam Daily Limits; Contacting Faculty Members; Class Attendance; Expectations of Work; Helpful Numbers; Emergency Evacuations and Drills, and other academic and administrative matters.