

**The Ohio State University
Colleges of the Arts and Sciences New Course Request**

Arts and Sciences

Academic Unit
Arts and Sciences

Book 3 Listing (e.g., Portuguese)
211 Introduction to Forensic Science

Number	Title	U	5
Forensic Science			
18-Character Title Abbreviation		Level	Credit Hours

Summer Autumn Winter X Spring Year 2006

Proposed effective date, choose one quarter and put an "X" after it; and fill in the year. See the OAA curriculum manual for deadlines.

A. Course Offerings Bulletin Information

Follow the instructions in the OAA curriculum manual. If this is a course with decimal subdivisions, then use one New Course Request form for the generic information that will apply to all subdivisions; and use separate forms for each new decimal subdivision, including on each form the information that is unique to that subdivision. If the course offered is less than a quarter or a term, please complete the Flexibly Scheduled/Off Campus/Workshop Request form.

Description (*not to exceed 25 words*): An introduction to the major concepts, issues, and techniques in forensic science,

Quarter offered: AU/SP Distribution of class time/contact hours: 3- 1 ½ hrs cl
Quarter and contact/class time hours information should be omitted from Book 3 publication (yes or no):

Prerequisite(s): None

Exclusion or limiting clause: N/A

Repeatable to a maximum of 0 credit hours.

Cross-listed with:

Grade Option (Please check): Letter S/U Progress What is course is last in the series?

Honors Statement:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	GEC: Yes <input type="checkbox"/> No <input type="checkbox"/> X	Admission Condition
Off-Campus:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	EM: Yes <input type="checkbox"/> No <input type="checkbox"/> X	Course: Yes <input type="checkbox"/> No <input type="checkbox"/>

Other General Course Information:
(e.g. "Taught in English." "Credit does not count toward BSBA degree.")

B. General Information

Subject Code _____ Subsidy Level (V, G, T, B, M, D, or P) _____
If you have questions, please email Jed Dickhaut at dickhaut.1@osu.edu.

1. Provide the rationale for proposing this course:
This course provides introductory foundational content for the interdisciplinary minor in Forensic Science. It is required for the minor.

2. Please list Majors/Minors affected by the creation of this new course. Attach revisions of all affected programs.
This course is (check one): Required on major(s)/minor(s) A choice on major(s)/minors(s)
 An elective within major(s)/minor(s) A general elective:

3. Indicate the nature of the program adjustments, new funding, and/or withdrawals that make possible the implementation of this new course.

An Arts and Sciences interdisciplinary grant will be sought to seed the initial teaching of this course. It is expected that generated revenues will allow for the continuation of this offering.

4. Is the approval of this request contingent upon the approval of other course requests or curricular requests?

Yes No List:

5. If this course is part of a sequence, list the number of the other course(s) in the sequence: _____

6. Expected section size: 200 Proposed number of sections per year: 2

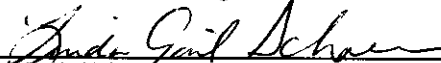
7. Do you want prerequisites enforced electronically (see OAA manual for what can be enforced)? Yes No

8. This course has been discussed with and has the concurrence of the following academic units needing this course or with academic units having directly related interests (*List units and attach letters and/or forms*):

Not Applicable

9. Attach a course syllabus that includes a topical outline of the course, student learning outcomes and/or course objectives, off-campus field experience, methods of evaluation, and other items as stated in the OAA curriculum manual and e-mail to asccurrofc@osu.edu.

Approval Process The signatures on the lines in ALL CAPS (e.g. ACADEMIC UNIT) are required.

1.  LINDA GAIL SCHOEN 1/24/06
Academic Unit Undergraduate Studies Committee Chair Printed Name Date

2. _____ Printed Name Date

3. ACADEMIC UNIT CHAIR/DIRECTOR Printed Name Date

4. After the Academic Unit Chair/Director signs the request, forward the form to the ASC Curriculum Office, 105 Brown Hall, 190 West 17th Ave. or fax it to 688-5678. Attach the syllabus and any supporting documentation in an e-mail to asccurrofc@osu.edu. The ASC Curriculum Office will forward the request to the appropriate committee.

5. COLLEGE CURRICULUM COMMITTEE Printed Name Date

6. ARTS AND SCIENCES EXECUTIVE DEAN Printed Name Date

7. Graduate School (if appropriate) Printed Name Date

8. University Honors Center (if appropriate) Printed Name Date

9. Office of International Education (if appropriate) Printed Name Date

10. ACADEMIC AFFAIRS Printed Name Date

Arts and Sciences 211

INTRODUCTION TO FORENSIC SCIENCE

5 credit hours

Syllabus

Course Description

This course will give students an introduction to the major concepts, issues and techniques in forensic science. It is designed to expose students to different disciplines and career paths within forensic science.

Student Learning Outcomes

Students successfully completing the course will:

1. Understand the breadth and interdisciplinary nature of the field of forensic science.
2. Exhibit a basic knowledge of the methods and measures used in forensic science.
3. Understand the social factors which impact on the work of forensic science.

Required Text: "Criminalistics: An Introduction to Forensic Science," 8th Ed., by Richard Saferstein, (2

Lecture #	Lecture Topics	Chapter(s)
1	Introduction to the course; the nature of forensic science	Chapter 1
2	Who's who in forensic science; disciplines and backgrounds	
3	The crime laboratory	
4	The crime scene	
5	Physical evidence; types, classification, probative value	
6	Physical Properties: Fundamentals	Chapter 4
7	Physical Properties: Glass and Soil	Chapter 4
8	Physical Properties: Statistics and the Limits of Measurements	Handout
9	Organic Analysis: Chromatography	Chapter 5
10	Organic Analysis: Molecular Spectroscopy	Chapter 5
11	Organic Analysis: Mass Spectrometry	Chapter 5

12	Midterm 1	
13	Inorganic Analysis: Atomic Spectroscopy	Chapter 6
14	The Microscope: Fundamentals	Chapter 7
15	The Microscope: Hair, Fibers and Paint	Chapter 8
16	Drugs	Chapter 9
18	Drugs	
19	Serology	Chapter 12
20	Serology	
19	Toxicology	Chapter 10
20	Toxicology	
21	Midterm 2	
22	DNA	Chapter 13
23	DNA	
24	DNA	
25	DNA	
26	Forensic Anthropology	
27	Speech Analysis	
28	The Court Room and the Expert Witness	
29	Criminal Justice	
30	Criminal Justice and Wrap up	

Assessment

There are two midterms and a final exam held during finals week. No make up exams will be given without prior permission from the instructor.

Midterm 1: 30%

Midterm 2: 30%

Final Exam: 40%

Academic Misconduct

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/info_for_students/csc.asp).

Disability Services

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated, and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 150 Pomerene Hall, 1760 Neil Avenue; telephone 292-3307, TDD 292-0901; <http://www.ods.ohio-state.edu/>.