



Course Approval Form

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested:

Create new course Delete existing course

Modify existing course (check all that apply)

Title Credits Repeat Status Grade Type

Prereq/coreq Schedule Type Restrictions

Other: _____

Course Level:

Undergraduate

Graduate

College/School: College of Science **Department:** Forensic Science Program

Submitted by: William Whildin **Ext:** 3-5059 **Email:** wwildin@gmu.edu

Subject Code: FRSC **Number:** 302 **Effective Term:** Fall Spring Summer

(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Year

Title: Current Banner (30 characters max including spaces)

New

Credits: Fixed Variable or to

Repeat Status: Not Repeatable (NR) Repeatable within degree (RD) Repeatable within term (RT) **Maximum credits allowed:**

Grade Mode: Regular (A, B, C, etc.) Satisfactory/No Credit Special (A, B C, etc. +IP)

Schedule Type Code(s): Lecture (LEC) Lab (LAB) Recitation (RCT) Internship (INT)

Independent Study (IND) Seminar (SEM) Studio (STU)

Prerequisite(s): Admitted to Forensic Science Program
FRSC 200, FRSC 201, BIOL 213

Corequisite(s):

Instructional Mode: 100% face-to-face Hybrid: ≤ 50% electronically delivered 100% electronically delivered

Special Instructions: (list restrictions for major, college, or degree; hard-coding; etc.)

Are there equivalent course(s)? Yes No
If yes, please list _____

Catalog Copy for NEW Courses Only (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	Notes (List additional information for the course)
This course will familiarize students with an overview of the field of forensic science, including areas of trace and biological evidence. Various topics address the analysis of blood and physiological fluid identification, typing, reporting results, and expert testimony.	

Indicate number of contact hours: Hours of Lecture or Seminar per week: Hours of Lab or Studio:

When Offered: (check all that apply) Fall Summer Spring

Approval Signatures

Department Approval _____ Date _____ College/School Approval _____ Date _____

If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

For Graduate Courses Only

Graduate Council Member _____ Provost Office _____ Graduate Council Approval Date _____

Course Proposal Submitted to the Curriculum Committee of the College of Science

1. COURSE NUMBER AND TITLE:

FRSC 302: Forensic Bio-Trace

Course Prerequisites: Admitted to Forensic Science Program, FRSC 200, FRSC 201, BIOL 213

Catalog Description:

This course will familiarize students with an overview of the field of forensic science, including areas of trace and biological evidence. Various topics address the analysis of blood and physiological fluid identification, typing, reporting results, and expert testimony.

2. COURSE JUSTIFICATION:

Course Objectives:

The objectives of this course are to introduce the students to the basic analysis of biological evidence; the proper collection and packaging of know samples.

Course Necessity:

This course will introduce students to basic concepts and principles of forensic science that will help them gain more knowledge in the field of biological evidence. This field encompasses many scientific areas which will give the student a better understanding of forensic science and a more in-depth look for those who are majoring in or wanting to pursue a career in this specific discipline.

Course Relationship to Existing Programs:

The new Forensic program is rapidly growing with tremendous interest. There is no course that emphasizes the techniques and practices of scientists in the area of biological evidence analysis.

Course Relationship to Existing Courses:

None

3. APPROVAL HISTORY: N/A

4. SCHEDULING AND PROPOSED INSTRUCTORS:

Semester of Initial Offering: Fall 2011

Proposed Instructors: Kimberly Carisi

5. TENTATIVE SYLLABUS: See attached.

Survey of Forensic Science

Prerequisites: Admitted to Forensic Science Program, FRSC 200, FRSC 201, BIOL 213

Instructor: Kimberly Carisi

Office Hours: By appointment

Course Description:

This course will familiarize students with an overview of the field of forensic science, including areas of trace and biological evidence. Various topics address the analysis of blood and physiological fluid identification, typing, reporting results, and expert testimony.

Lecture Content:

1. The Role of Physical Evidence in Forensic Science
2. The Legal Aspects of Forensic Science
3. Crime Scene and Laboratories Procedures
4. Biological Stain Identification
5. Examination of Body Fluids
6. Toxic Gases
7. Midterm
8. Crime Scene Reconstruction
9. STR/Mitochondrial DNA
10. Plastics
11. Tape Analysis
12. Pathology
13. Anthropology
14. Impression Evidence

Project:

Students will be required to write a project paper on a selected topic in forensic science.

Exams: The midterm exam will be an in-class, closed book exam that will cover the topics in the previous weeks lecture. The final will be comprehensive and in the same format.

Grades: 30% Midterm, 30% Final, 30% Project, 10% Participation

Required Text:

Trace Evidence Analysis by Max Houck