



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: **Department:**

Submitted by: **Ext:** **Email:**

Subject Code: **Number:** **Effective Term:** Fall
 Spring **Year:**
 Summer

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

Title: Current

Banner (30 characters max including spaces)

New

Credits: (check one) Fixed Variable or

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

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

Schedule Type Code(s): (check all that apply) Lecture (LEC) Lab (LAB)
 Recitation (RCT) Internship (INT)

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

Prerequisite(s):

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 series of lecture and practical exercises introduces the student to sophisticated crime scene documentation techniques including photography, digital imaging, use of lighting, and legal issues relating to images.	

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 Graduate Council
by
The College of Science**

**1. COURSE NUMBER AND TITLE:
FRSC 513: Forensic Photography**

Course Prerequisites: Admitted to Forensic Science Program or permission of instructor.

Catalog Description:

This series of lecture and practical exercises introduces the student to sophisticated crime scene documentation techniques including photography, digital imaging, use of lighting, and legal issues relating to images.

2. COURSE JUSTIFICATION:

Course Objectives:

The objectives of this course are to introduce the students to forensic photography techniques and practices. Students will learn basic and advanced concepts of controlling exposure and lighting and the practice of determining the geometric properties of objects from photographic images.

Course Necessity:

This course will build on the aspects taught in FRSC 510, Basic Crime Scene Analysis, and FRSC 511, Advanced Crime Scene Analysis. There are no existing courses in the application of photography to crime scene analysis and this course will fill that gap.

Course Relationship to Existing Programs:

This will be an elective within the Forensic Science master's Program.

Course Relationship to Existing Courses:

None

3. APPROVAL HISTORY: N/A

4. SCHEDULING AND PROPOSED INSTRUCTORS:

Semester of Initial Offering: Spring 2011

Proposed Instructors: Emily Rancourt

5. TENTATIVE SYLLABUS: See attached.

Forensic Photography

Prerequisites: None

Instructor: Emily Rancourt

Office Hours: By appointment

Course Description:

The objectives of this course are to introduce the students to forensic photography techniques and practices. Students will learn basic and advanced concepts of controlling exposure and lighting and the practice of determining the geometric properties of objects from photographic images.

Students will work with Digital SLR cameras, tripods, and flash after receiving instructions on the various techniques and procedures used in crime scene indoor and outdoor documentation.

Lecture Content:

1. History of Forensic Imaging
2. Composition and Cardinal Rules of Photography
3. Basic Exposure concepts
4. Focus, Depth of Field, and Lenses
5. Concepts and use of Electronic Lighting
6. Crime Scene Photography
7. Midterm
8. Ultraviolet, Infrared, and Fluorescence Lighting
9. Photogrammetry
10. Special Photography Situations
11. Digital Imaging Technologies
12. Digital Image processing of Evidentiary photography
13. Practical Exercise
14. Legal issues related to Photographs and Digital Images

Homework:

The homework will be in two formats. Photography exercises will be assigned to enhance the lecture classes, and questions on specific topics will also be assigned.

Project:

Students will be required to conduct a photography project selected by the Instructor.

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, 20% homework, 20% Project

Required Text:

Crime Scene Photography, 2nd Edition, by Edward Robinson