



Course Approval Form

For instructions see:
<http://registrar.gmu.edu/facultystaff/catalog-revisions/course/>

Action Requested:

Create new course Inactivate 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 Summer Year:

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

Title: Current **Fulfills Mason Core Req?** (undergrad only)

Banner (30 characters max w/ spaces) Currently fulfills requirement

New Submission in progress

Credits: Fixed 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: 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

Restrictions Enforced by System: Major, College, Degree, Program, etc. (include code)

Equivalencies: (check only as applicable)

YES, course is 100% equivalent to: _____

YES, course is being renumbered to/will replace the following: _____

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

Description (No more than 60 words, use verb phrases and present tense) This course will review the basics of biometrics and how the various biometric modalities can be used to aid in identification and identity verification. The course will also focus on how biometrics and forensics are used, or can be used, in various applications from military uses, intelligence/counter-terrorism, border and immigrations control and in support of state development.	Notes (List additional information for the course)
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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 College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL COURSES (required)

Course Number and Title: FRSC 650-000/ Identity Analysis Applications

Date of Departmental Approval: 11/23/15

FOR INACTIVATED/REINSTATED COURSES (required if inactivating/reinstating a course)

- Reason for Inactivating/Reinstating:

FOR MODIFIED COURSES (required if modifying a course)

- Summary of the Modification:
- Text before Modification (title, repeat status, catalog description, etc.):
- Text after Modification (title, repeat status, catalog description, etc.):
- Reason for the Modification:

FOR NEW COURSES (required if creating a new course)

- Reason for the New Course: Identity Analysis Applications play an important role in criminal and intelligence investigations. GMU Forensic Science Program graduate students are currently lacking instruction in this area and this course will provide valuable instruction/experience for GMU Forensic Science Program graduate students.
 - Relationship to Existing Programs: The Identity Analysis Applications Course will be a core course requirement for the GMU Forensic Science Program graduate Forensic/Biometric Identity Analysis Concentration and will also be offered as an elective course for the three other GMU Forensic Science Program graduate concentrations.
 - Relationship to Existing Courses: : The Identity Analysis Applications Course is a new course which significantly enhances the GMU Forensic Science Program graduate Forensic/Biometric Identity Analysis Concentration as a core course and offers an elective course choice for students enrolled in the three other GMU Forensic Science Program graduate concentrations.
 - Semester of Initial Offering: Fall 2016
 - Proposed Instructors: Professor William C Buhrow - Adjunct Professor of Forensic Science
 - Insert Tentative Syllabus Below
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GEORGE MASON UNIVERSITY

Identity Analysis Applications – FRSC 650-000

Fall 2016

Instructor: William C Buhrow - Adjunct Professor of Forensic Science

Office: Exploratory Hall Suite 3400

Email: fscience@gmu.edu

Phone #: 703-993-5071 (main desk)

Text: Biometrics in Support of Military Operations: Lessons From the Battlefield by William C Buhrow

Course Description: This course will familiarize students with the basic principles and uses of biometric data as a means of individual identification. This course will review the basics of biometrics and how the various biometric modalities can be used to aid in identification and identity verification. The course will also focus on how biometrics and forensics are used, or can be used, in various applications from military uses, intelligence/counter-terrorism, border and immigrations control and in support of state development. This course will give students and understanding of the role that forensics and biometrics play in the broadest possible sense.

The course will be in a lecture format with class discussions, quizzes, a research project/presentation, a final exam and a end of course questionnaire/critique.

Student Responsibilities: Students will be responsible for reading the required material prior to each class and to be prepared to actively participate in classroom discussions. Class attendance and participation is essential in order to cover the course material with a breadth of understanding and will contribute to the final grade.

Presentation

- Students will pick from a list of countries with active biometrics and forensics programs.
- Students will research this country and make a 10 minute presentation describing what forensics and biometric capabilities the country possesses. The presentation should consist of no more than 8-10 slides.
- Presentations will be made on the second to last class of the semester.
- A grade will be determined for presentation based upon the content of the presentation.

Grading: Class participation and attendance, two quizzes, the paper/presentation, a midterm exam and a final exam will determine your grade in this course as detailed below:

- Class Participation & Attendance (25%)
- Quizzes (20%)
- Presentation (25%)
- Final Exam (20%)
- Final Course Questionnaire/Critique (10%)

100	A+	87-89	B+	70-79	C
95-99	A	83-86	B	0-69	F
90-94	A-	80-82	B-		

Note: The schedule is subject to change, please listen for announcements during class.

Note: Additional reading assignments may be added throughout the semester.

GMU Add/Drop Deadlines

Last day to add classes/Last day to drop with no tuition penalty	September 8
Last day to drop with a 33% tuition penalty	September 15
Final Drop Deadline (67% tuition penalty)	October 2
Selective Withdrawal Period (undergraduate students only)	October 5 –October 30

GMU Honor Code

The Honor Code states that all students "pledge not to cheat, plagiarize, steal, or lie in matters related to academic work."

Academic Integrity

GMU is an Honor Code university; please see the University Catalog for a full description of the code and the honor committee process. The principle of academic integrity is taken very seriously and violations are treated gravely. What does academic integrity mean in this course? Essentially this: when you are responsible for a task, you will perform that task. When you rely on someone else's work in an aspect of the performance of that task, you will give full credit in the proper, accepted form. Another aspect of academic integrity is the free play of ideas. Vigorous discussion and debate are encouraged in this course, with the firm expectation that all aspects of the class will be conducted with civility and respect for differing ideas, perspectives, and traditions. When in doubt (of any kind) please ask for guidance and clarification.

GMU E-mail Accounts

Students must activate their GMU email accounts to receive important University information, including messages related to this class.

Office of Disability Services

If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Services (ODS) at 993-2474. All academic accommodations must be arranged through the ODS.

<http://ods.gmu.edu>

Other Useful Campus Resources

WRITING CENTER: A114 Robinson Hall; (703) 993-1200; <http://writingcenter.gmu.edu>

University policy states that all sound emitting devices shall be turned off during class unless otherwise authorized by the Professor.
