# Course Approval Form

**Action Requested:**
- [X] Create new course
- [ ] Inactivate existing course
- [ ] Modify existing course (check all that apply)
  - Title
  - Prereq/coreq
  - Other:
  - Credits
  - Schedule Type
  - Repeat Status
  - Restrictions
  - Grade Type

**Course Level:**
- [X] Graduate
- [ ] Undergraduate

**College/School:**
- College of Science

**Subject Code:**
- FRSC

**Number:**
- 650

**Department:**
- Forensic Science Program

**Submitted by:**
- Joseph A. DiZinno

**Ext:**
- 4985

**Email:**
- Jdzinn2@gmu.edu

**Effective Term:**
- [X] Fall
- [ ] Spring
- [ ] Year 2016
- [ ] Summer

**Fulfills Mason Core Req?** (undergrad only)
- [ ] Currently fulfills requirement
- [ ] Submission in progress

**Title:**
- Current
- Banner (30 characters max w/ spaces)
- Identity Analysis Applications
- New
- Identity Analysis Applications

**Credits:**
- [X] Fixed
- [ ] Variable

**Repeat Status:**
- [X] Not Repeatable (NR)
- [ ] Repeatable within degree (RD)
- [ ] Repeatable within term (RT)

**Maximum credits allowed:**
- 1

**Grade Mode:**
- [X] 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):**
- None

**Corequisite(s):**
- None

**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 immigration control and in support of state development.

**Indicate number of contact hours:**
- [X] Hours of Lecture or Seminar per week: 1
- [ ] Hours of Lab or Studio: ___________

**When Offered:**
- (check all that apply)
  - [X] Fall
  - [ ] Summer
  - [X] Spring

**Approval Signatures**

**For Graduate Courses Only**

**Graduate Council Member**

**Provost Office**

**Graduate Council Approval Date**

---

For Registrar Office’s Use Only: Banner ___________________ Catalog ___________________ revised 6/22/15
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
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 an 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%)

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>100</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>95-99</td>
<td>A</td>
</tr>
<tr>
<td>83-86</td>
<td>B</td>
</tr>
<tr>
<td>0-69</td>
<td>F</td>
</tr>
<tr>
<td>90-94</td>
<td>A-</td>
</tr>
<tr>
<td>80-82</td>
<td>B-</td>
</tr>
</tbody>
</table>

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.