Course Approval Form

For instructions: *http://registrar.gmu.edu/facultystaff/catalog-revisions/course/*

Action Requested: (definitions available at website above)
- [ ] Create NEW
- [ ] Inactivate
- [X] Modify (check all that apply below)

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

- [ ] Title (must be 75% similar to original)
- [ ] Credits
- [ ] Repeat Status
- [ ] Schedule Type
- [X] Prereq/coreq
- [ ] Restrictions
- [ ] Grade Mode
- [X] Other: Description and WI wording

College/School: College of Science
Department: Forensic Science Program
Submitted by: Kimberly Rule
Ext: 35338
Email: kcarisi@gmu.edu

Subject Code: FRSC
Number: 304
(Do not list multiple codes or numbers. Each course proposal must have a separate form.)

Effective Term:
- [X] Fall
- [ ] Spring
- [ ] Summer

Year 2017

Title:
Current: Forensic Chemistry
Banner (30 characters max w/ spaces): Forensic Chemistry
New:

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

Credits: (check one)
- [ ] Fixed →
- [ ] Variable →
- [ ] Lec + Lab/Rct→

to
0 or

Repeat Status: (check one)
- [ ] Not Repeatable (NR)
- [ ] Repeatable within degree (RD) →
- [ ] Repeatable within term (RT) →

Max credits allowed: (required for RT/RD status only)

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

Schedule Type: (check one)
LEC can include LAB or RCT if linked sections will be offered
- [ ] Lecture (LEC)
- [ ] Lab (LAB)
- [ ] Recitation (RCT)
- [ ] Internship (INT)
- [ ] Independent Study (IND)
- [ ] Seminar (SEM)
- [ ] Studio (STU)

Prerequisite(s) (NOTE: hard-coding requires separate Prereq Checking form; see above website):
FRSC 200, FRSC 201, CHEM 211/213, and CHEM 212/214

Corequisite(s):

Restrictions Enforced by System: Major, College, Degree, Program, etc. Include Code(s).
FRSC 200, FRSC 201, CHEM 211/213, and CHEM 212/214

Equivalencies (check only as applicable):
- [ ] YES, course is 100% equivalent to
- [ ] YES, course renumbered to or replaces

Catalog Copy (Consult University Catalog for models)

Description (No more than 60 words, use verb phrases and present tense)	**Notes** (List additional information for the course)
Introduction to the chemical principles and methods used in the application of forensics toward the elucidation of criminal activity and to support litigation. Students will be learning the fundamentals of statistics (QA/QC), chromatography (GC and LC), and instrumentation (microscopy, FTIR, and MS) that will enable forensics analysis of trace evidence relating to: drugs, explosives, toxicology, arson, firearms, volatiles, and hair/fibers.	
Indicate number of contact hours: Hours of Lecture or Seminar per week:	Hours of Lab or Studio:
When Offered: (check all that apply) [X] Fall [ ] Summer [X] Spring	

Approval Signatures

[redacted]

-2016

College/School Approval — Date

by any other units, the originating department must circulate this proposal for review by
ission. Failure to do so will delay action on this proposal.

e	Unit Approver's Signature	Date

roval

UGC or GC Council Member — Provost's Office — UGC or GC Approval Date

Form revised 9/2/2016

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 304- Forensic Chemistry

Date of Departmental Approval: September 8th 2016

FOR MODIFIED COURSES (required if modifying a course)

- Summary of the Modification: The course description and pre-requisites have been modified. Additionally, the WI wording has been modified.

- Text before Modification (title, repeat status, catalog description, etc.):

  FRSC 304- Forensic Chemistry
  Credits: 3
  Not Repeatable for Credit
  Introduction to the theme of forensic science in its application to the fundamentals of chemistry exposing students to widely used concepts of toxicology and arson investigation. An introduction to microscopy helps students master the foundational principles of microscopy in analyzing forensic trace evidence.

  Fulfills writing intensive requirement in the major.

  Prerequisite(s): Admitted to Forensic Science Program, CHEM 211, and CHEM 212; or permission of instructor.

- Text after Modification (title, repeat status, catalog description, etc.):

  FRSC 304- Forensic Chemistry
  Credits: 3
  Not Repeatable for Credit
  Offered by Forensic Science Program
  Introduction to the chemical principles and methods used in the application of forensics toward the elucidation of criminal activity and to support litigation. Students will be learning the fundamentals of statistics (QA/QC), chromatography (GC and LC), and instrumentation (microscopy, FTIR, and MS) that will enable forensics analysis of trace evidence relating to: drugs, explosives, toxicology, arson, firearms, volatiles, and hair/fibers.

  Fulfills part of the writing intensive requirement in the major.

  Prerequisite(s): FRSC 200, FRSC 201, CHEM 211/213, and CHEM 212/214 (hard-coded)
  Co-requisite: CHEM 313

- Reason for the Modification: The course description has been modified to more accurately describe the course curriculum and to comply with Forensic Science Education Programs Accreditation Commission (FEPAC) accreditation standards. The pre-requisites have also been modified to better reflect the

required knowledge base needed for this course and eliminate erroneous information. The current wording for the WI requirement is not accurate; this course only fulfills half of the WI requirement and therefore, the wording has been changed to reflect this aspect.