

Course Change Request

New Course Proposal

Date Submitted: 10/05/18 12:13 pm

Viewing: **FRSC 461 : Forensic DNA Analysis Laboratory**

Last edit: 10/05/18 12:13 pm

Changes proposed by: kcarisi

Programs
referencing this
course

[SC-BS-FRSC: Forensic Science, BS](#)

In Workflow

1. **FRSC Representative**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. Assoc Provost- Undergraduate
5. Registrar-Courses
6. Banner

Approval Path

1. 10/05/18 12:14 pm
Emily Rancourt
(erancour):
Approved for FRSC
Representative

Are you completing this form on someone else's behalf?

No

Effective Term: Fall 2019

Subject Code: FRSC - Forensic Science

Course Number:
461

Bundled Courses:

Equivalent
Courses:

Catalog Title: Forensic DNA Analysis Laboratory

Banner Title: Forensic DNA Laboratory

Will section titles
vary by semester? No

Credits: 1

Schedule Type: Laboratory

Hours of Lab or Studio per week: 3

Repeatable: May only be taken once for credit (NR)

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

FRSC 460 is required as a prerequisite or can be taken concurrently

Recommended Corequisite(s):

FRSC 460

Required Prerequisite(s) / Corequisite(s)

(Updates only):

FRSC 200 Prerequisite

FRSC 201 Prerequisite

BIOL 213 Prerequisite

BIOL 311 Prerequisite

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog Description:

This laboratory course will present the most common serological and DNA laboratory techniques associated with forensic casework as taught in the lecture section of the Forensic DNA Analysis course. Students will have hands-on experience with basic forensic DNA procedures including the examination and

identification of bodily fluid stains, DNA extraction, quantitation, PCR amplification, genotyping, and interpretation.

Justification:

The GMU Forensic Science Undergraduate Program has lacked laboratory courses due to lack of laboratory facilities, therefore with the newly acquired shared DNA laboratory our program can now incorporate laboratory techniques in the curriculum as it relates to Forensic DNA analysis. FRSC 461 Forensic DNA Analysis Laboratory will be a one credit laboratory course which will act as a corequisite and complement the lecture course (FRSC 460 Forensic DNA Analysis). This course will also assist in obtaining the FEPAC accreditation which requires laboratory components within the forensic science curriculum. This course will be a major requirement for all forensic science majors.

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

[FRSC 461 Syllabus-FA19.pdf](#)

Additional Attachments

Staffing:

Kelly Knight

Relationship to Existing Programs:

FRSC 461 Forensic DNA Analysis Laboratory will be a required course for the B.S. in Forensic Science curriculum under the major requirements. There are no other GMU Programs that offer an undergraduate Forensic DNA Laboratory.

Relationship to Existing Courses:

FRSC 461 Forensic DNA Analysis Laboratory will be a co-requisite to the lecture course FRSC 460 Forensic DNA Analysis.

Additional Comments:

Reviewer Comments

