Course Change Request

Date Submitted: 11/04/24 8:10 pm

Viewing: FRSC 304 : Forensic Chemistry

Last approved: 08/16/23 6:06 am

Last edit: 11/04/24 8:10 pm

Changes proposed by: kcarisi

Catalog Pages referencing this course

Forensic Science (FRSC)

Forensic Science Program

Select modification type:

In Workflow

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

Approval Path

1. 11/04/24 8:21 pm Kimberly Rule (kcarisi): Approved for FRSC Representative

History

1. Aug 25, 2017 by Priyanka Champaneri (pchampan)
2. Dec 21, 2018 by Kimberly Rule (kcarisi)
3. May 15, 2020 by Tory Sarro (vsarro)
4. Dec 19, 2020 by Kimberly Rule (kcarisi)
5. Aug 16, 2023 by Tory Sarro (vsarro)

~~Specialized Course Designation~~

Substantial

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

No

Effective Term: Spring 2025

Subject Code: FRSC - Forensic Science

Course Number: 304

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Forensic Chemistry

Banner Title: Forensic Chemistry

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May be only taken once for credit, limited to 3 attempts (N3)

Max Allowable Credits: 9

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

Minimum grade of C or higher in CHEM 313 or ~~313,~~ CHEM L313, and CHEM 315 or CHEM L315

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	FRSC 200	C	UG		
Or		FRSC 200	XS	UG	)	
And	(	FRSC 201	C	UG		
Or		FRSC 201	XS	UG	)	
And	(	CHEM 211	C	UG		
Or		CHEM 211	XS	UG	)	
And	(	CHEM 213	C	UG		
Or		CHEM 213	XS	UG	)	
And	(	CHEM 212	C	UG		
Or		CHEM 212	XS	UG	)	
And	(	CHEM 214	C	UG		
Or		CHEM 214	XS	UG	)	
And	(	CHEM 313	C	UG		
Or		CHEM 313	XS	UG	)	
And	(	CHEM 315	C	UG		
Or		CHEM 315	XS	UG	)	

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:

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, FTLR, and MS) that wilt enable forensics analysis of trace evidence relating to: drugs, explosives, toxicology, arson, firearms, volatiles, and hair/fibers.

Justification:

What: Adding lower-level equivalent pre-requisite of CHEM 313 and 315 (CHEM L313 and CHEM L315).
Why: To eliminate the need of registration overrides for the lower-level equivalent courses of CHEM 313 and 315.

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

Learning Outcomes:

Will this course be scheduled as a cross-level cross listed section? No

Attach Syllabus

FRSC 304 Forensic Chemistry Syllabus.pdf

Additional Attachments

Specialized Course Categories:

Mason Core

Select the Mason Core Requirement the course is proposing to fulfill:

Foundation Courses:

Exploration Courses:

Integration Courses:

Writing Intensive

Writing Intensive

Course must address all of the following Writing-Intensive learning outcomes:

Students will use informal or formal writing in ways that deepen their awareness of the field of study and its subject matter.
Students will compose one or more written genres specific to the field of study in order to communicate key ideas tailored to specific audiences and purposes; genres may be academic, public, or professional.
Students will draft and revise written works based on feedback they receive from instructors and peers, using strategies appropriate to the genre, audience, and purpose.

Course must also satisfy Writing-Intensive course criteria.

This course will be taught at the 300-level or above.
This course will be offered in the major.
This WI course will be limited to 35 students.
Faculty will devote significant time to instruction on writing in the course and on how to complete assignments successfully.
Students will receive instructor feedback on their writing.
Students will be required to revise at least one substantive assignment in the course based on instructor feedback.
All of the writing assignments in the course count substantially toward the students' final grade in the course.
Students will individually write a minimum of 3500 words, divided among two or more assignments. In the case of collaborative assignments, students will demonstrate that they have individually written at least 3000 words of the collaborative work.

I affirm I have attached the required documents using the syllabus and attachment buttons provided above.

The WI course planner
A syllabus with WI syllabus statement and WI outcomes identified
Descriptions/instructions of all major writing assignments (could be included with the syllabus)
A course schedule with instructional activities related to writing identified (could be included with the syllabus)

Additional Comments:

~~The Writing Intensive category in the CIM form was moved from a stand-alone specialized designation into the Integration portion of Mason Core. This course proposal edit is not a change to the existing course designation, it is just an update to the CIM course record to account for the form change. This edit has been admin saved.~~

Reviewer Comments

Key: 6720