Course Change Request

Date Submitted: 11/04/24 8:02 pm

Viewing: FRSC 326 : Molecular Biology Laboratory

Last approved: 01/28/21 5:01 am

Last edit: 11/04/24 8:02 pm

Changes proposed by: kcarisi

Catalog Pages referencing this course

Forensic Science (FRSC)

Forensic Science Program

Select modification type:

Substantial

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 8:22 pm Kimberly Rule (kcarisi): Approved for FRSC Representative

History

1. Jan 28, 2021 by Kimberly Rule (kcarisi)

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

No ~~Yes~~

Effective Term: Spring 2025

Subject Code: FRSC - Forensic Science

Course Number: 326

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Molecular Biology Laboratory

Banner Title: Molecular Biology Laboratory

Will section titles vary by semester? No

Credits: 1

Schedule Type: Laboratory

Hours of Lab or Studio per week: 3

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

Max Allowable Credits: 3

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

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

BIOL 213, BIOL 214 or STAT 250, BIOL 311 or BIOL L311, ~~311,~~ and FRSC 325*

*May be taken concurrently

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	BIOL 213	C	UG		
Or		BIOL 213	XS	UG	)	
And	(	BIOL 214	C	UG		
Or		BIOL 214	XS	UG		
Or		STAT 250	C	UG		
Or		STAT 250	XS	UG	)	
And	(	BIOL 311	C	UG		

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
Or		BIOL 311	XS	UG	)	
And	(	FRSC 325	C	UG		Yes
Or		FRSC 325	XS	UG	)	Yes

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 cover basic laboratory methods in molecular biology. The emphasis will be on existing and emerging techniques utilized in forensic DNA laboratories. Techniques will include, extraction, quantitation, STR typing, and SNP microarray genotyping.

Justification:

What: Adding lower-level equivalent pre-requisite of BIOL 311 (BIOL L311).

Why: To eliminate the need of registration overrides for the lower-level equivalent course of BIOL 311.

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

Learning Outcomes:

Students will understand basic laboratory methods within molecular biology.

Students will be able to identify existing and emerging techniques used in forensic DNA laboratories.

Students will be able to complete extraction and quantitation.

Students will be able to conduct and interpret STR typing and SNP microarray genotyping.

Will this course be scheduled as a cross-level cross listed section?

Attach Syllabus

FRSC 326-526 Molecular Biology Lab Syllabus_rev.pdf

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 17041