Course Change Request

Date Submitted: 11/04/23 2:10 pm

Viewing: BIOL 213 : Cell Structure and Function

Transfer Course(s): BIOL U213

Last approved: 06/29/23 6:05 am

Last edit: 02/01/24 2:50 pm

Changes proposed by: volmo

Catalog Pages referencing this course

Bioengineering (BENG)

Bioinformatics (BINF)

Select modification type:

~~Specialized Course Designation~~

Substantial

In Workflow

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

Approval Path

1. 02/01/24 6:08 pm Geraldine Grant (ggrant1): Approved for BIOL Undergraduate Representative

History

1. Aug 29, 2017 by pchampan
2. Oct 4, 2017 by Mary Bernier (mbernier)
3. Oct 31, 2018 by pxiong
4. May 6, 2022 by Tory Sarro (vsarro)
5. Jun 29, 2023 by Tory Sarro (vsarro)

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

No

Effective Term: Spring 2024

Subject Code: BIOL - Biology **Course Number:** 213

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Cell Structure and Function

Banner Title: Cell Structure and Function

Will section titles vary by semester? No

Credits: 4

Schedule Type: Lecture w/Lab

Hours of Lecture or Seminar per week: 3

Hours of Lab or Studio per week: 3

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

Max Allowable Credits: 12

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

~~BIOL 103 or CHEM 211 or CHEM 271, or other equivalents.~~

Recommended Corequisite(s):

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

BIOL 103 or CHEM 211 or CHEM 271, or other equivalents.

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:

For science majors and preprofessionals in life sciences. Introduction to cell chemistry, metabolism, and genetics. Note: for science majors and pre-professionals in the life sciences.

Justification:

What: Updating the prerequisites.

Why: We are changing the prerequisite coursework to ensure that students are better prepared for the higher-level cell biology coursework encountered in BIOL213. Previously, the pre-requirements were just recommended. Now, they will be required.

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

BIOL213 Syllabus Fall 2023.pdf

Additional Attachments

Specialized Course Categories:

Mason Core

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

Foundation Courses:

Exploration Courses:

Natural Sciences w/Lab

Exploration Courses:

Integration Courses:

Natural Sciences with Lab

Course must meet the following learning outcomes:

1.Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding: a) evolves based on new evidence, and b) differs from personal and cultural beliefs

2. Recognize the scope and limits of science.

3. Recognize and articulate the relationship between the natural sciences and society and the application of science to societal challenges (e.g., health, conservation, sustainability, energy, natural disasters, etc.).

4. Evaluate scientific information (e.g., distinguish primary and secondary sources, assess credibility and validity of information).

5. Participate in scientific inquiry and communicate the elements of the process, including: a) making careful and systematic observations, b) developing and testing a hypothesis, c) analyzing evidence, and d) Interpreting results.

I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see "?" for help with submission)

Syllabus

Completed proposal worksheet

Assignments (if needed)

Additional Comments:

~~Correcting the course record - course is approved for Natural Science w/Lab~~

Reviewer Comments

Key: 1423