

Course Change Request

Date Submitted: 11/13/25 10:19 am

Viewing: **BIOL 379 : RS: Ecological Sustainability**

Last approved: 07/31/25 3:59 am

Last edit: 11/13/25 10:19 am

Changes proposed by: jbazaz

Catalog Pages
referencing this
course

[Biology_\(BIOL\)](#)

[Biology, BS](#)

Select modification type:

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. 12/11/25 11:09 am
Geraldine Grant
(ggrant1): Approved
for BIOL Undergraduate Representative

History

1. Aug 29, 2017 by
pchampan
2. Dec 21, 2018 by
Gregory Craft
(gcraft)
3. Mar 20, 2020 by
Tory Sarro (vsarro)
4. Nov 16, 2021 by
Tory Sarro (vsarro)
5. Oct 28, 2023 by
Deborah Mcgarrah
(dmcgarra)
6. Jul 31, 2025 by
Deborah Mcgarrah

Substantial

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

No

Effective Term: Spring 2026**Subject Code:** BIOL - Biology**Course Number:** 379**Bundled Courses:****Is this course replacing another course?** No**Equivalent Courses:** EVPP 378 - RS: Ecological Sustainability
~~EVPP 425 - RS: Ecological Sustainability~~**Catalog Title:** RS: Ecological Sustainability**Banner Title:** RS: Ecological Sustainability**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 308 or permission of instructor.**Recommended
Corequisite(s):****Required
Prerequisite(s) /
Corequisite(s)
(Updates only):**

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:**

Introduces the concepts and applications of several important topics relating to ecological sustainability. Focuses on the role of soils in maintaining and managing environmental quality. Teaches students how to understand and interpret scientific data presented in various types of literature covering ecological sustainability.

Justification:

What: Removing EVPP 425 equivalency.

Why: For EVPP 425 to attain the Mason Core Apex designation, it course can't be equivalent to a <400 level course.

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?

Attach Syllabus

**Additional
Attachments**

Specialized Course**Categories:**

Green Leaf
Mason Core
Mason Impact

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

Foundation**Courses:****Exploration****Courses:****Integration****Courses:**

Mason Apex
Retired Category (Registrar's Office Use Only): Capstone

Mason Apex

Learning Objectives:

Upon completing a Mason Apex course, students will be able to:

1. Integrate skills, abilities, theories, or methodologies gained across a Mason student's undergraduate education to explore complex issues in original ways.
2. Communicate effectively the results of the student's work with awareness of audience, purpose, and context using an appropriate modality (for example: written, oral, visual, material, embodied, multimodal).

Application for Mason Impact

Select the requested Mason

Impact designation:

MI + Research/Scholarship Intensive (RS)

MI + Research/Scholarship Intensive (RS)

I. Course must meet the following learning outcomes:

Students will understand how knowledge is generated and communicated, and how it can be used to address questions or problems in disciplines and in society.

Students will be able to identify and negotiate multiple perspectives, work collaboratively within and across multiple social and environmental contexts, and engage ethically with their subject and with others.

Students will use inquiry skills to articulate a question; engage in an inquiry process; and situate the concepts, practices, or results within a broader context.

Students will design and carry out an individual or collaborative project that explores an original question, seeks a creative solution to a problem, applies knowledge to a professional challenge, or offers a unique perspective.

Students engage deeply in this original work.

Students will communicate knowledge from their project through presentation, publication, or performance to an audience beyond the classroom.

II.

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

III.

Syllabus Containing:

Mason Impact Logo

Description of how your course connects with the Mason Impact.

Mason Impact Learning Objectives. Feel free to use our language or write your own. Please make the pertinent objectives bold for ease of review.

IV.

Narrative Statement Containing:

(A) What is the rationale for designating this course as Entrepreneurship?

(B) Explain how this course meets the course criteria?

(C) How does your course fit into the educational career of an average student enrolled in the course?

(D) How will student work meet the project criteria?

(E) How does student learning progress through the course to aid students in the development of the skills needed to complete their project?

(F) Scaffold Map

V.

Letter of Support from chair or dean

Select any additional SaS learning outcomes which the course meets:

Describe how the course meets the required student learning outcomes and the selected methods outcome(s):

How will the course be supported by the appropriate subject area librarian?

Attach Curriculum
Map

[The designation for the course was previously approved.pdf](#)

Please affirm the following:

List Responsible

Faculty Members:

The department has or will have an undergraduate research student learning outcome and will use the data for this course in Academic Program Review.

Green Leaf Course Designation

The proposed
course is
requesting (choose
one):

Sustainability-focused designation

Below, include a brief statement regarding how this course meets either the “sustainability focused” or “sustainably related” criteria.

Sustainability-focused courses provide valuable grounding in the concepts and principles of sustainability. These courses educate students about how different dimensions of sustainability relate to and support each other in theory and practice. In addition, these courses help equip students with the skills to weave together disparate components of sustainability in addressing complex issues.

previously approved

Attach Syllabus

Capstone

While each academic degree program defines its learning outcomes, a Capstone course or sequence should follow these guidelines:Information

- *Minimum of 3 credits*
- *Later in the curriculum, after a student has taken at least 85 credits, and at the 400 - course level*
- *No more than 35 students in the course or equivalent instructional/mentored support*
- *Emphasis on experiential/applied/integrative learning*
- *Allow students to apply critical thinking skills*
- *Learning outcomes defined by the degree program*

Explain how the course meets the expectations that the capstone experience consolidates the knowledge and understanding gained in the student's major, degree, and Mason Core Courses.

previously approved

Have you reached out to the Libraries to determine whether there are adequate resources to support your course? If not, please email Meg Meiman, Associate University Librarian for Learning, Research, and Engagement at mmeiman2@gmu.edu.

**Additional
Comments:**

**Reviewer
Comments**

Key: 1502