Course Change Request

Date Submitted: 03/30/22 10:25 am

Viewing: EVPP 109 : Ecosphere- Introduction to Environmental Science I- Lab

Transfer Course(s): EVPP U109

Last approved: 06/13/19 4:32 am

Last edit: 03/30/22 10:25 am

Changes proposed by: jbazaz

Catalog Pages referencing this course

Biology (BIOL)

Department of Atmospheric, Oceanic and Earth Sciences

Select modification type:

~~Simple~~

Substantial

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

No

Effective Term: Spring 2022

Subject Code: EVPP - Environmental Science & Policy **Course Number:** 109

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses: **EVPP 110 - The Ecosphere: An Introduction to Environmental Science I**

Catalog Title: Ecosphere- Introduction to Environmental Science I- Lab

Banner Title: Ecosphere-Intro Env Sci I-Lab

In Workflow

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

History

1. Jan 11, 2019 by Younsung Kim (ykih)
2. Jun 12, 2019 by Tory Sarro (vsarro)
3. Jun 13, 2019 by Tory Sarro (vsarro)

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):

EVPP 108 (concurrent enrollment permitted)

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 course studies components and interactions that make up natural systems of our home planet. It teaches basic concepts in biological, chemical, physical, and earth sciences in a laboratory format. Note: EVPP 108 and 109 can be used to fulfill a 4-credit lab science requirement.

Justification:

What: Adding EVPP 108 as a required prerequisite, concurrent enrollment permitted. Making it equivalent to EVPP 110.

Why: To ease degree audits where students have taken EVPP 110 (which is now EVPP 108 lec + EVPP 109 lab).

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

Learning Outcomes:

1. Understand how scientific inquiry is based on investigation of evidence from the natural world, and that scientific knowledge and understanding:
   -evolves based on new evidence.
   -differs from personal and cultural belief.
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:
   -making careful and systematic observations.
   -developing and testing a hypothesis.
   -analyzing evidence.
   -interpreting results.

Attach Syllabus

EVPP 109 Syllabus.pdf

Additional Attachments

EVPP 108 109 112 and 113 NSL Attribute Changes June 2019.pdf

Specialized Course Categories:

Green Leaf

Mason Core

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

Foundation Courses:

Exploration Courses:

Natural Sciences w/Lab

Integration Courses:

Green Leaf Course Designation

The proposed course is requesting (choose one):

Sustainability-related designation

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

Sustainability-related courses help build knowledge about a component of sustainability or introduce students to sustainability concepts during part of the course. They may complement sustainability-focused courses by providing students with in-depth knowledge of a particular aspect or dimension of sustainability (such as the natural environment) or by providing a focus area (such as renewable energy) for a student's sustainability studies, or they may broaden students' understanding of sustainability from within different disciplines.

previously approved for EVPP 110

Attach Syllabus LargenEVPP 110 Lab - Syllabus - Spring 2019 - 22 Jan-largen.pdf

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)

1. Syllabus

Additional Comments:

Reviewer Comments

Key: 16153