Course Change Request

A deleted record may not be edited and the course number may not be re-used until 5 years have passed since the course's inactivation.

Course Deactivation Proposal

Date Submitted: 02/15/24 9:23 am

Viewing: EVPP 326 : Animal Physiology

Last approved: 04/18/20 4:41 am

Last edit: 02/28/24 10:16 am

Changes proposed by: nburaik

Catalog Pages referencing this course

Department of Environmental Science and Policy

Environmental Science and Policy (EVPP)

Justification for deactivation

What: Inactivating the course. Why: This course has never been taught before.

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

~~No~~

Effective Term: Spring 2024

In Workflow

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

Approval Path

1. 02/15/24 9:29 am Younsung Kim (ykih): Approved for ESP UG Committee
2. 02/15/24 10:54 am Amy Fowler (afowler6): Approved for ESP Chair

History

1. Apr 18, 2020 by slister1

Subject Code: EVPP - Environmental Science & Policy **Course Number:** 326

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Animal Physiology

Banner Title: Animal Physiology

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):
(BIOL 213 or U213), or EVPP 210, 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:

This course will examine animal physiology across different levels of biological organization, from molecules to cells to whole organisms, and will highlight the diversity of physiological mechanisms across different groups of animals. Emphasis will be placed on how ecology and evolution shape the physiology of organisms as well as how physiology forms the basis for how animals interact with their environment. This course will cover all the major physiological systems in animals (e.g., circulatory system) as well as how these systems are integrated to perform ecological functions (e.g., flight). Finally, emphasis will be placed on the effects of environmental change on animal function, and how animals may respond physiologically to such changes.

Justification:

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

Learning Outcomes:

•Students will gain a strong foundation in animal physiology through a combination of lectures, textbooks readings, and journal articles that cover all the major animal physiological systems. By the end of the course, students will be able to identify the basic physical structures of each system and describe how these structures differ among groups of animals.
•Students will improve their integrative understand of biology, as both journal articles and lecture material will emphasize how multiple systems work in combination to perform complex functions (e.g., flight). Examples of these complex integrated functions will be used at the beginning of each lecture to capture student attention and get them thinking about how each physiological system cannot work on its own.
•Students will be able to make connections about how the ecology and evolution of animals is intimately connected to their physiological makeup and function. Several journal articles will focus on the animal evolutionary tree and how historical environmental factors have driven physiological evolution. Other articles will focus on how ongoing and future environmental changes may disrupt animal function and survival.
•Students will learn how to dissect and discuss scientific journal articles through bimonthly readings. Articles are chosen with open questions so that students can propose new directions in animal physiology research as part of regular class discussion.

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

Attach Syllabus

EVPP_BIOL_326_Syllabus Fall 2020.pdf

Additional Attachments

Specialized Course Categories:

Describe the overall rationale for designating this course as Global Understanding Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

Writing Intensive:

Additional Comments:

Reviewer Comments

Key: 16783