Course Change Request

Date Submitted: 12/06/19 11:58 am

Viewing: BIOL 357 : Ecology Field Skills

Last approved: 12/21/18 4:24 am

Last edit: 12/06/19 11:58 am

Changes proposed by: dpolayes

Catalog Pages referencing this course

Biology (BIOL)
Conservation Studies (CONS)
Department of Biology
Interdisciplinary Programs and Courses
School of Systems Biology

Select modification type:

~~Simple~~
Substantial

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

No

Effective Term: Fall 2020

Subject Code: BIOL - Biology

Course Number: 357

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses: CONS 440 - Ecology Field Skills

Catalog Title: Ecology Field Skills

Banner Title: Ecology Field Skills

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

In Workflow

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

Approval Path

1. 12/06/19 12:04 pm Geraldine Grant (ggrant1): Approved for BIOL Undergraduate Representative

History

1. Jan 24, 2018 by Deborah Polayes (dpolayes)
2. Dec 21, 2018 by Deborah Polayes (dpolayes)

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 BIOL **300** ~~310~~ (or equivalent) or INTS 401

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:
In this course, you will be introduced to a variety of field techniques used in ecological research through occasional classroom lectures and intensive field activities. You start with an overview of sampling methodologies common to the discipline and progress to hands-on and remote sampling techniques for plants, insects, amphibians, reptiles, birds and mammals. You will become familiar with Virginia's flora and fauna, gain experience in sampling and identifying representative plants, invertebrates and vertebrates, and obtain experience in making observations and characterizing ecological interactions related to population, community, and behavioral ecology. Also, you will maintain a field journal and complete a research proposal following adapted guidelines of Mason's OSCAR program. Come to Front Royal ready to work hard and to spend long days in the field.

Justification:

We have discontinued BIOL310 and now have BIOL300 which covers the equivalent material.

Does this course cover material which crosses into another department? Yes

Impacted Departments:

Department
ESP - Environmental Science & Policy

Learning Outcomes:

- Survey and identify a variety of local plants and animals using field marks and dichotomous keys
- Collect and measure plants, insects, birds, fish, herpetofauna and mammals in the field using tools including pitfall traps, mistnets, visual counts, and sweep nets
- Use several field techniques to monitor different taxa, including radiotelemetry, camera traps, acoustic monitoring and electrofishing
- Evaluate grassland, forest and aquatic habitat
- Organize, analyze and synthesize ecological data collected during the course

Attach Syllabus

BIOL357 Syllabus Ecology Field Skills.docx

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 15615