

Course Change Request

Date Submitted: 10/01/19 4:09 pm

Viewing: **CONS 645 : Estimating Animal Abundance and Occupancy**

Last approved: 04/09/19 4:31 am

Last edit: 10/01/19 4:09 pm

Changes proposed by: choskins

In Workflow

1. **CONS Director**
2. **LA Associate Dean**
3. **SC Associate Dean**
4. UN Academic Affairs Dean
5. Registrar-Courses
6. Banner

Catalog Pages referencing this course: [Conservation Studies \(CONS\)](#), [Interdisciplinary Programs and Courses](#), [Smithsonian-Mason School of Conservation](#)

Approval Path

1. 10/02/19 11:27 am
Cody Edwards (cedward7): Approved for CONS Director
2. 10/18/19 10:46 am
Jill Bowen (jbowen4): Approved for LA Associate Dean

Select modification type:
Simple

Are you completing this form on someone else's behalf?
No

Effective Term: Summer 2020

Subject Code: CONS - Conservation Studies Course Number: 645

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Estimating Animal Abundance and Occupancy

Banner Title: Animal Abundance and Occupancy

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May only be taken once for credit (NR)
GRADUATE ONLY

Default Grade Mode: Graduate Regular

Recommended Prerequisite(s): College-level introductory statistics course.

Recommended Corequisite(s):

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

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

History

1. Apr 9, 2019 by Carol Hoskins (choskins)

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):** Include
 Limited to students with a class of Senior Plus. (SCRRCLS_ONLY_SP)
 Limited to students with a class of Non Degree (SCRRCLS_ONLY_ND)
 Limited to students with a class of Advanced to Candidacy. (SCRRCLS_ONLY_DC)
 Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)
- Level(s):** Include
 Enrollment limited to students with a level of Non-Degree (SCRRVLV_ONLY_ND)
 Limited to undergraduate level students. (SCRRVLV_ONLY_UG)
 Limited to graduate level students only. (SCRRVLV_ONLY_GR)
- Degree(s):** Exclude
 Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)
- School(s):**

Catalog Description: Provides a strong theoretical and analytical background to the current and accepted methods of estimating population parameters including abundance, **occupancy**, survival, and population change. The course teaches study design, implementation and analysis of data from distance sampling, mark-recapture, and occupancy modeling techniques, with **all analysis performed a strong focus on the practical use of field data in the programs DISTANCE MARK and practiced in the program R. PRESENCE. Time is provided throughout for work on a student's own data/project with help of instructors.** ~~Notes:~~ Offered through the Smithsonian-Mason School of Conservation in cooperation with the Smithsonian Conservation Biology Institute on site in Front Royal, VA. Course Format: This course is taught as an intensive, mixed format **(lectures, (lectures and** computer work) offering, in a residential full-day (8:30am-6pm), ~~1 week, 10 day or~~ 2-week session. Students complete pre-course assignments, ~~and~~ are graded in participation, computer exercises and a final exam. **Night sessions may occur, there is a full day of class on Saturday. Sunday is free. Some night sessions may occur.**

Justification:

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:
 Reviewer Comments