

Syllabus
WILD 563 - Advanced Topics in Habitat Ecology (1 credit)

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Office Hours are by appointment.

Lecture times: 3:00-4:30 Wednesday, STONE 108

Prerequisites: Consent of instructor, recommended WBIO 562 or equivalent.

Class restricted to: Graduate students in WBIO, or other by permission.

Course objectives: This class is intended for graduate students in Wildlife Biology at the MS or PhD level to complement the survey course WBIO 562, Wildlife Habitat modeling. In this class, we will build on the key foundations of habitat ecology theory and application through selected readings of key recent scientific papers. Class format will consist of weekly readings assigned for discussion, student-lead presentation of assigned scientific papers, and individual and/or group projects depending on the particular topic of issue in each semester.

Spring 2015: During Spring 2015, In this discussion-based seminar course, graduate students will work through the basic concepts of animal migration in terrestrial systems, and then move to analyses and classification of migration using spatial data. Graduate students will be responsible for leading discussion on topics of their choice pairing readings from the recent ecological literature. A major part of the class will be students learning to use a new R habitat modeling software package to analyze migration data from large mammal systems across North America.

Required Readings: Will be assigned from current scientific literature and made available through email distribution. Readings assigned will form the basis of discussion in class and it is expected they will have been read before class!

Grading:

Grading for this course will be **pass/fail**, and evaluated based on contributions to class discussions, individual student presentations of one topic through each semester, and class participation.