



Ecology and evolution in the Anthropocene

BIOL 697 – Spring 2018

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Time: Friday 10:00 AM – 12:30 PM.

Location: W03-0022.



About the course: Human disturbances are a defining feature of the Anthropocene. These alterations are expected to have unprecedented consequences at all levels of biological organization, ranging from genes and traits to ecosystems. The goal of this advanced graduate-level seminar is to discuss, test, and generate theory/predictions related to how ecological and evolutionary processes unfold in the face of human disturbances, and their implications for the conservation and maintenance of biodiversity. Topics to be discussed in the course will range from fundamental theory and methods in ecology and evolution to empirical and theoretical studies testing them in anthropogenic contexts. This course is open to all graduate students and advanced undergraduate students. Students from other schools and Universities are also welcome to register in the course.

This course will benefit students interested in exploring the intersection of fundamental theory and empirical data to address contemporary issues in environmental biology and biodiversity conservation. This course will also promote overall professional development by stimulating critical thinking via reading and analyzing primary literature. In addition, it will help students to improve their oral and writing communication skills, and will encourage the application of scientific knowledge to solving real-world problems.

