ECOLOGY (ECLGY)

ECLGY 510: Classical Ecology
2 Credits
Classical Ecology.

ECLGY 515: Advances in Ecology
3 Credits
Advances in Ecology.

ECLGY 526: Community Ecology
3 Credits
This course will focus on teaching graduate students the fundamental basis and advanced concepts in community ecology used to study and interpret patterns of biological diversity across divergent systems. Concepts and study cases presented in class will vary across different ecosystems and biomes and will include different organismal types (plants, animals, and microorganisms). Four main goals of this course are: (i) promote understanding of ecological processes responsible for the distribution and maintenance of biodiversity; (ii) provide knowledge to better interpret, critically discuss, and analyze current research articles and theories in community ecology; (iii) instruct students to better communicate their research in line with ecological principles and mechanisms; and (iv) allow students to lead discussions on papers related to broader community ecology concepts.

ECLGY 550: Current Issues in Microbiome Sciences
1 Credits/Maximum of 8
This course will take a colloquium approach to provide a broad survey of current questions being asked involving the microbiome in various systems. Students will complete the course with an improved understanding of current microbiome research goals and techniques. Each week we will focus on a different topic from a diverse pool of areas, presented by established researchers as well as early-career investigators. In addition to sharing scientific results and accomplishments, this course also offers a community-building experience for students with microbiome interests from diverse departments.

ECLGY 590: Colloquium
1-3 Credits/Maximum of 3
Continuing seminars which consist of a series of individual lectures by faculty, students, or outside speakers.

ECLGY 597: Special Topics
1-9 Credits/Maximum of 9
Formal courses given on a topical or special interest subject which may be offered infrequently; several different topics may be taught in one year or semester.