

DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY

Add new courses:

EEB 419 – Global Change Ecology

3 Credit Hours

Understanding global-scale environmental changes and the consequences of these changes for species and ecological communities. Course will be a mix of lectures, reading of primary literature, group discussion/participation, and field research.

(RE) Prerequisite(s): Biology 260.

EEB 465 – Special Topics in Ecology

3 Credit Hours

Current topics in Ecology.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

EEB 466 – Special Topics in Evolution

3 Credit Hours

Current topics in evolution.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

EEB 469 – Special Topics in Conservation Biology

3 Credit Hours

Current topics on the conservation of biological diversity at population, community and ecosystem levels.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

EEB 480 – Natural History of the Smoky Mountains

3 Credit Hours

Field ecology course that includes a one-week field trip. Students will learn about the natural history and ecological and evolutionary factors that are responsible for the diversity of plants and animals in the Great Smoky Mountains. Emphasis on field study of selected biotic communities. Course will meet daily on campus for lectures/labs for 5 days (week 1) before venturing into the field. Students will stay full-time at the Biology Field Station in week 2. Course will conclude with 2 days (week 3) of oral presentations and discussion.

(RE) Prerequisite(s): Biology 150 and Biology 260 or equivalent.

EEB 494 – Internship in Ecology and Evolutionary Biology

1-9 Credit Hours

Participation in individualized practical applications of ecology, behavior, evolution and conservation biology in community, government, and industry. Requires approval of EEB UG Committee Chair.

Repeatability: May be repeated with consent of EEB UG Committee Chair. Maximum 9 hours.

Registration Restriction: Approval of the Chair of the EEB Undergraduate Committee.

EEB 496 – Special Topics Seminars

1 Credit Hour

Special topics in ecology and evolutionary biology.

Repeatability: May be repeated. Up to two credit hours can count toward the major.

EEB 499 – Internship in Ecology and Evolutionary Biology

1-9 Credit Hours

Participation in individualized practical applications of ecology, behavior, evolution and conservation biology in community, government, and industry. Requires approval of EEB UG Committee Chair.

Repeatability: May be repeated with consent of EEB UG Committee Chair. Maximum 9 hours.

Credit Restriction: Maximum of 9 credits.

Registration Restriction(s): Requires approval of the Chair of the EEB Undergraduate Committee.

EEB 550 – Ecological Niche Models and Species' Distributions

1 Credit Hour

Species niches and spatial patterns – course will combine lectures with computer demonstrations and practice. Students will develop and work on an instructor approved project during class and present project results at the end of the semester. This hands-on course will be structured in three modules: I. Species' ranges in GIS; II. Species' niches – ecological niche modeling; III. Spatial patterns of biodiversity – macroecology and conservation. Each module will last 5 weeks and students have the option to enroll in one, two, or three modules.

Repeatability: May be repeated. Maximum 3 hours.

Registration Restriction(s): Consent of instructor.

Drop Course:

EEB 462 – Paleoecology (3)

Revise description and remove prerequisite:

EEB 461 – Special Topics in Organismal Biology

3 Credit Hours

Current topics in organismal biology.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

Formally:

EEB 461 – Special Topics in Organismal Biology

3 Credit hours

Evolution, ecology, biogeography, classification, and anatomy of selected animal and plant taxa.

Repeatability: May be repeated if topic differs. Maximum 12 hours.

(RE) Prerequisite(s): Biology 280.

Revise description and registration restriction, and add repeatability:

EEB 490 – Undergraduate Seminar

1 Credit Hour

Weekly departmental research seminar presenting current research in the areas of ecology, behavior and evolutionary biology by UT faculty and researchers from around the world. Seminar meets to discuss a paper by the Department's weekly seminar speaker. As a result, enrollment in this course requires attendance to the Department's weekly seminar (EEB 503) F 3:30pm-5:30pm in 307 SERF. Repeatability: May be repeated. Up to two credit hours of EEB 490 can count toward the major. Registration Restriction(s): Biological Sciences majors; minimum student level – Junior; consent of instructor.

Formerly:

Weekly departmental research seminar presenting current research in the areas of ecology, behavior and evolutionary biology by UT faculty and researchers from around the world. Registration Restriction(s): Biological Sciences majors; minimum student level – Junior.