

Integrative Biology (INTEGBI)

INTEGBI C13/ASTRON C13 Origins: from the Big Bang to the Emergence of Humans 4 Units

Department: Integrative Biology; Astronomy

Course level: Undergraduate

Terms course may be offered: Fall and spring

Grading: Letter grade.

Hours and format: 3 hours of Lecture and 2 hours of Discussion per week for 15 weeks.

This course will cover our modern scientific understanding of origins, from the Big Bang to the formation of planets like Earth, evolution by natural selection, the genetic basis of evolution, and the emergence of humans. These ideas are of great intrinsic scientific importance and also have far reaching implications for other aspects of people's lives (e.g., philosophical, religious, and political). A major theme will be the scientific method and how we know what we know.

Instructors: Marshall, Quataert

INTEGBI 24 Freshman Seminars 1 Unit

Department: Integrative Biology

Course level: Undergraduate

Terms course may be offered: Fall and spring

Grading: The grading option will be decided by the instructor when the class is offered.

Hours and format: 1 hour of Seminar per week for 15 weeks.

The Berkeley Seminar Program has been designed to provide new students with the opportunity to explore an intellectual topic with a faculty member in a small-seminar setting. Berkeley Seminars are offered in all campus departments, and topics vary from department to department and semester to semester.

Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

INTEGBI 31 The Ecology and Evolution of Animal Behavior 3 Units

Department: Integrative Biology

Course level: Undergraduate

Term course may be offered: Spring

Grading: Letter grade.

Hours and format: 2 hours of lecture, 1 hour of film/demonstration and 1 hour of discussion per week.

Prerequisites: Open to all students; designed for those not specializing in biology.

Principles of evolution biology as they relate to animal behavior and behavioral ecology with broad coverage of animal groups. Special attention will be paid to the emerging discipline of behavioral ecology. Students will receive no credit for Integrative Biology 31 after taking Integrative Biology 144, C144 or Psychology C115B. Instructor: Caldwell

INTEGBI N33 Topics in Paleontology: The Age of Dinosaurs 2 Units

Department: Integrative Biology

Course level: Undergraduate

Term course may be offered: Summer

Grading: Letter grade.

Hours and format: 4 hours of Lecture per week for 8 weeks.

Open without prerequisite to all students and designed for those not specializing in paleontology. Evolution history, and ecology of the dinosaurs and their world, including the earliest mammals and birds. More than one course in this series may be taken for credit with consent of instructor. Course may be repeated for credit when topic changes.

INTEGBI 35AC Human Biological Variation 4 Units

Department: Integrative Biology