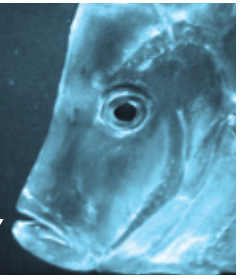


EVOLUTIONARY BIOLOGY



The **Interdisciplinary Program in Evolutionary Biology** gives students knowledge of the macro- and micro-evolutionary processes underlying the evolution and diversity of life on Earth and an understanding of the scientific and meta-scientific issues involved in this exciting field.

Students in this program will analyze the history and philosophy of evolutionary thought and alternative conceptualizations of the mechanisms, patterns and processes of evolution. The program emphasizes evolutionary theory, foundations of ecology and genetics, focused study of particular organisms, and the dynamics of evolutionary principles in scientific inquiry.

THE MAJOR

The 30 credit interdisciplinary major consists of the following coursework:

- three foundation courses
- one course in ecology
- one course in the philosophy/history of science
- one senior seminar
- four approved electives

THE MINOR

The 15 credit interdisciplinary minor consists of the following coursework:

- three foundation courses
- two approved electives

FOUNDATION COURSES

- BIOL 251: Introduction to Organismal and Population Systems or BIOL 214: Genes and Evolution
- GEOL 210: Historical Geology/Paleontology
- PHIL 225: Evolution

(Note: Majors and minors declared before Fall 2006 semester who took BIOL 114 before 2007 may use it instead of BIOL 251 or 214 to fulfill the biology foundation course requirement.)

ECOLOGY

- BIOL 216: Organisms and Ecosystems
- BIOL 336: Aquatic Biology
- BIOL 337: Marine Ecology
- BIOL 370: Ecology

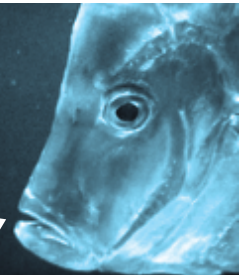
PHILOSOPHY/HISTORY OF SCIENCE

- HSTY 201: Science in Western Thought I
- HSTY 202: Science in Western Thought II
- HSTY 398: History of Biology
- HSTY 402: Survey of the History of Science II
- PHIL 203: Natural Philosophy I
- PHIL 204: Natural Philosophy II
- PHIL 303: Topics in Philosophy of Science
- PHIL 309: Philosophical Issues in Genetics

SENIOR SEMINAR

- PHIL 394: Seminar in Evolutionary Biology

EVOLUTIONARY BIOLOGY



APPROVED ELECTIVES

- ANTH 103: Introduction to Human Evolution
- ANTH 295: Comparative Primate Behavior
- ANTH 302: Darwinian Medicine
- ANTH 375: Human Evolution: The Fossil Evidence
- ANTH 393: Human Ecology
- ANTH 397: Epidemiology and Evolution of Human Diseases
- ANTH 377: Human Musculoskeletal Anatomy
- ANTH 383: Evolutionary Anatomy
- BIOL 223: Vertebrate Biology
- BIOL 305: Herpetology
- BIOL 326: Genetics
- BIOL 343: Microbiology
- BIOL 358: Animal Behavior
- BIOL 362: Principles of Developmental Biology
- BIOL 365: Evo-Devo: Evolution of Body Plans
- GEOL 307: Evolutionary Biology and Paleobiology of the Invertebrates
- GEOL 451: Isotopy Geology
- GEOL 452: Geochronology
- PSCL 350: Behavioral Genetics

The following courses are cross-listed under all Evolutionary Biology departments (ANTH, BIOL, GEOL, PHIL). Register through the department that best suits your curriculum.

- ANTH/BIOL/GEOL/PHIL 367: Topics in Evolutionary Biology
- ANTH/BIOL/GEOL/PHIL 396: Undergraduate Research in Evolutionary Biology

FOR MORE INFORMATION

Visit us on the web at www.case.edu/artsci/evolutionarybiology

To learn more about evolutionary biology visit the following websites.

evolution.berkeley.edu

nationalacademies.org/evolution

www.aaas.org/news/press_room/evolution