



**University Graduate School  
2007-2008  
Academic Bulletin**

**Human Evolutionary Studies**

**College of Arts and Sciences  
Bloomington**

**Departmental E-mail**  
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**Departmental URL**  
[www.research.iu.edu/centers/craft.html](http://www.research.iu.edu/centers/craft.html)

**Core Faculty**

**Professors**

Kathy Schick\* (Anthropology), Nicholas Toth\* (Anthropology)

**Associated Graduate Faculty**

(An asterisk [\*] denotes membership in the University Graduate School faculty with the endorsement to direct doctoral dissertations.)

**Professors**

Abhijit Basu\* (Geological Sciences), Geoffrey Conrad\* (Anthropology), Della Collins Cook\* (Anthropology), Jesus Dapena\* (Health, Physical Education and Recreation), Paul Jamison\* (Anthropology), Robert Meier\* (Emeritus, Anthropology), Emilio Moran\* (Anthropology), Christopher Peebles\* (Anthropology), Lisa Pratt\* (Geological Sciences), Anne Pyburn\* (Anthropology), Elizabeth Raff\* (Biology), Rudolf Raff\* (Biology), Jeanne Sept\* (Anthropology), Richard Wilk\* (Anthropology)

**Associate Professor**

Julie Stout\* (Psychology)

**Admission Requirements**

Students must be admitted to a Ph.D. program in the Department of [Anthropology](#), the Department of [Biology](#), the Department of [Geological Sciences](#), the Department of [Psychological and Brain Sciences](#), or other related department or program. They must also apply to the Program in Human Evolutionary Studies.

**Program Information**

Students should select an advisory committee made up of the two core faculty and at least one of the associate faculty members. For students whose home department is anthropology, at least one member of the advisory committee is expected to be from a department outside anthropology.

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## Ph.D. Minor in Human Evolutionary Studies

### Course Requirements

The minor in human evolutionary studies requires four courses. Three of the four required courses are S510 The Archaeology of Human Evolution (3 cr.); S511 Seminar on Current Issues in Paleoanthropology (3 cr.) (Topics will vary; may be repeated for graduate credit); and ANTH B464 Human Paleontology (3 cr.).

The fourth required course will be chosen from the following: S512 Human Evolution and the Prehistory of Intelligence (3 cr.); S513 Modeling Human Evolution (3 cr.); or BIOL L505 Molecular Biology of Evolution (3 cr.).

### Grades

A minimum of B (3.0) is required in each course that is to count toward the minor.

### Courses

**S510 The Archaeology of Human Evolution (3 cr.)** Overview of the Paleolithic (Old Stone Age) from 2.6 million years to 10,000 years ago. Focuses on the theory and method of reconstructing hominid behavior in the Stone Age. Course will take an evolutionary perspective, considering both biological and technological evolution.

**S511 Seminar on Current Issues in Paleoanthropology (3 cr.)** Provides a forum for professional-level discussion of current reports on human evolution. Will often focus on one aspect or theme in human evolutionary studies.

**S512 Human Evolution and the Prehistory of Intelligence (3 cr.)** Explores the different avenues of inquiry pertaining to the evolution of human intelligence from an archaeological and human paleontological perspective. Topics include technology, subsistence strategies, symbolic behavior, human paleontology, and paleoneurology (especially study of endocasts and fossil skulls).

**S513 Modeling Human Evolution (3 cr.)** Explores the breadth of animal (mostly primate) models for human evolution. Areas for discussion include digestive physiology, bone density, language acquisition, locomotion, tool use, foraging, and social behavior. After a brief overview of theory and method in animal analogy, we will review animal models for the evolution of humans.

### Cross-Listed Courses

#### Anthropology

**B464 Human Paleontology (3 cr.)**

#### Biology

**L505 Molecular Biology of Evolution (3 cr.)**

**L567 Evolution (3 cr.)**