

ANTH 562: Primate Evolution
Spring Term 2017
University of Oregon

Instructor:	Dr. Stephen Frost	Tel:	6-5161
Office:	Condon 353	Email:	sfrost@uoregon.edu
Office Hours:	TR 9:00 – 10:00 a.m.	Lecture Time:	TR 2:00 – 3:50 p.m.
Lecture Room:	313 Condon		

Optional Text: Fleagle, J. 2013. *Primate Adaptation and Evolution*, 3rd Ed. Academic Press.

Description: This course explores the primate fossil record from the origin of primates and the place of primates among the mammals through the origins and diversifications of the major radiations of extant primates. It consists primarily of lecture sessions, but several class periods will be taken to examine extant and fossil specimens where available. The subjects will follow an essentially chronological/evolutionary sequence, beginning with primate origins, strepsirhines and prosimian haplorhines, and then proceeding through the radiations of anthropoids.

In addition to the lectures, you will be expected to participate in weekly discussions. These will be approximately one hour in length, and will be based on a series of readings posted on the blackboard site. Be prepared to discuss each of the core articles posted, but no formal presentation is expected. Other, non-core articles will also be posted, but are not required. Discussions will be scheduled at a suitable time and place based on the schedules of all involved.

Requirements: Evaluation will be based on the following criteria:

Participation in discussion session:	20%
Annotated bibliographies:	20%
Quizzes	20%
Final Paper	40%

Participation is based on attendance and participation during discussion sessions, and asking informed questions based on course readings.

Annotated bibliographies are due during discussion session and cover all the core articles from that week. These are given in the reading lists on blackboard. Each entry should include the article citation plus a short paragraph (ca. 100 – 200 words) describing the article's subject and why it matters.

There will be four quizzes. Two of these will involve specimen identification and be weighted more heavily than the other two.

Final paper on any subject of your choosing related to the primate fossil record (papers about hominins are not acceptable). Vet your topic with me.

Students with disabilities: If you have a documented disability and anticipate needing accommodations in this course, please make arrangements to meet with the me soon. Please request that the Counselor for Students with Disabilities send a letter outlining your approved accommodations. [Disability Services: disabsrv@uoregon.edu, 346-1155; <http://ds.uoregon.edu/>].

Schedule: Following, is a tentative schedule of lecture and lab topics. Readings from the optional course text for each lecture topic are given in parentheses. In addition, several peer-reviewed articles are also to be read (weekly average about 60 pp). These are on the blackboard page, and listed at the end of this syllabus. These readings are intended to provide background for the lectures, as well as alternative opinions. Material in the lectures is often different from that given in the assigned reading. **This schedule is very tentative, expect changes!**

- April 4 Lecture 1: Geochronology, Cenozoic Timescale, Taphonomy (Chapter 10)
6 Lecture 2: Paleoclimatology, Paleogeography (Chapter 10)
11 Lecture 3: Extant Primate Radiations (Chapters 4-7)
13 Lecture 4: Primate Origins and Place Among Mammals (Chapter 11)
18 Lecture 5: Plesiadapiforms (Chapter 11)
20 Lab 1: *Extants and Plesiadapiforms*
25 Lecture 6: Adapiformes (Chapter 12)
27 Lecture 7: Lemuriformes and Subfossil Lemurs (Chapter 12; Chapter 4: pp. 73-77)
- May 2 Lab 2: *Strepsirhines*
4 Lecture 8: Tarsiformes (Chapter 12)
9 Lecture 9: Early Stem Anthropoids (Chapter 13)
11 Lecture 10: New World Anthropoids (Chapter 14)
16 Lab 3: *Haplorhines* (**Fossil Quiz I**)
18 Lecture 11: Primitive Stem Catarrhines (Chapter 15)
23 Lab 4: *Stem Catarrhines*
25 Lecture 12: Hominoids (Chapter 15)
30 Lab 5: *Hominoids*
- June 1 Lecture 13: Cercopithecoids: Victoriapithecines and Cercopithecines (Chapter 16)
2 Lecture 14: Cercopithecoids: Colobines (Chapter 16)
4 Lab 6: *Cercopithecoids*
- 13 12:30 Fossil Quiz II, Papers Due, Projects Due.**