

# MAMMALIAN EVOLUTION AND OSTEOLOGY

Seminar in Anthropology  
ANTH 4703

**Instructor: Claire Terhune, PhD**

Offered during Fall 2016  
Monday/ Wednesday 4:35- 5:50pm  
Old Main 118

## Course Overview

Explore the evolution and osteology of mammals, a group of vertebrates that has been so successful that it includes over 5,000 species in 29 orders, and that contains animals ranging in size from the bumblebee bat to the blue whale.

Through a combination of lectures and hands-on experience this course will:

- Review the basics of evolutionary theory and osteology
- Examine what it means to be a fossil
- Briefly review the history of pre-mammal time and the rise of vertebrates
- Discuss the origin of mammals and understand what makes a mammal unique
- Survey fossil and living mammalian groups

Students enrolling in this course are strongly encouraged to have taken Introduction to Biological Anthropology (ANTH 1013) and/or Introduction to Principles of Biology (BIOL 1543). An understanding of evolutionary theory and osteology is also encouraged. Enrollment is limited to 13 undergraduate and 7 graduate students.

Sabre-toothed cat (*Smilodon*)  
from the La Brea Tar Pits

### DEPARTMENT OF ANTHROPOLOGY

Old Main 330, Fayetteville, AR 72701  
479-575-2508 | anthropology.uark.edu  
cterhune@uark.edu



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