**BIOL 333**

Term: Fall 2016  
Course No. & Section: BIOL 333-01

Course Title: BIOLOGY OF MAMMALS & LAB  
Professor: DR. JOHN WAGGONER

**Course Description:**

**Objectives:**
- To explore the fascinating array of diversification in the class Mammalia, by examination of form, function and life history of members in each order

**Content:**
Study of the special morphological and physiological features both linking and defining the various mammalian orders. Survey of the mammalian families, with emphasis on life history and ecology, including diversity, distribution, habitats, feeding and reproductive strategies. Laboratory will include studies of the mammal characteristics, skulls and skins of different mammalian families, and field trips to the two L.A. County Museum of Natural History Mammal Collections, L.A. and San Diego Zoos and other trips in Southern California.

**Prerequisites/Recommended Background:**
- BIOL 101 & 111  
- BIOL 102 & 112  
- Upper division standing as a Biology Major

**Required Texts/References:**

**Course Work/Expectations:**
- Three one-hour lectures and one 4-hour laboratory per week  
- Weekend one-day field trips  
- Half day trips to the L.A. County Museum and Large Mammal Collections  
- A minimum number of field trips must be completed to avoid major penalties  
  - *Note: Most field trips are not during laboratory times  
- 3 Exams plus final  
- 3 Laboratory practicums  
- Participation in field trips  
- Quizzes in class and laboratory  
- Term Paper: In depth coverage of a single mammal species

**Comments:**
This course counts as the Field Biology requirement for the Biology Major  
Flags (2): Writing, & Engaged Learning  
Suitability for upper division students with prerequisites and substantial interest in the biology of organisms