



BIOLOGICAL SCIENCES 316

Vertebrate Biology

Summer 2013 (1134)

Instructor	Office	Phone	E-mail
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COURSE PREREQUISITES

BISC 101 and 102¹

COURSE DESCRIPTIONS

The biology, taxonomy, and evolution of vertebrates are reviewed. Organ systems and functions of principal adaptations are studied through comparative anatomy. Characteristics of fish, amphibians, reptiles, birds and mammals are examined to understand how vertebrates cope in different environments. Representative species are dissected and the anatomy and function of organ systems are examined in laboratory sessions.

Lectures begin May 6, 2013

Laboratory sessions begin in week of May 13, 2013.

TEXTBOOKS

- [Lecture] Pough, F., C. M. Janis and J. Heiser. 2013. Vertebrate Life. Prentice Hall, New Jersey. 9th Edition. (required)
- [Laboratory] Wischnitzer, S. and E. Wischnitzer. 2007. Atlas and dissection guide for comparative anatomy. W.H. Freeman and Co., New York. 6th edition. (required)
- [Written Assignment] Shubin, N. 2009. Your Inner Fish. A Journey Into The 3.5 Billion-Year History of the Human Body. Vantage Books (required)

MARK DISTRIBUTION

Lecture	65%	Laboratory	35%
Midterm Exam	20%	Lab Midterm	15%
Written Assignment	10%	Lab Final	20%
Final Exam	35%		

¹ Prerequisite Minimum Grade Requirement: Unless stated, a grade of C- or better is required on all Prerequisite BISC & MBB courses.