



BIOLOGICAL SCIENCES 316

VERTEBRATE BIOLOGY

SUMMER 2014 (1144)

INSTRUCTOR	OFFICE	PHONE	EMAIL
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COURSE PREREQUISITES

BISC 101 and 102¹

COURSE DESCRIPTION

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, non-avian 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 5, 2014

Laboratory sessions begin in week of May 12, 2014.

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)
[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

Lectures	65%	Laboratory	35%
Midterm Exam	20%	Lab Midterm	15%
Assignment	15%	Lab Final	20%
Final Exam	30%		

ADDITIONAL COURSE FEE - \$12.73 (field) and \$5.00 (course lab manual)

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