

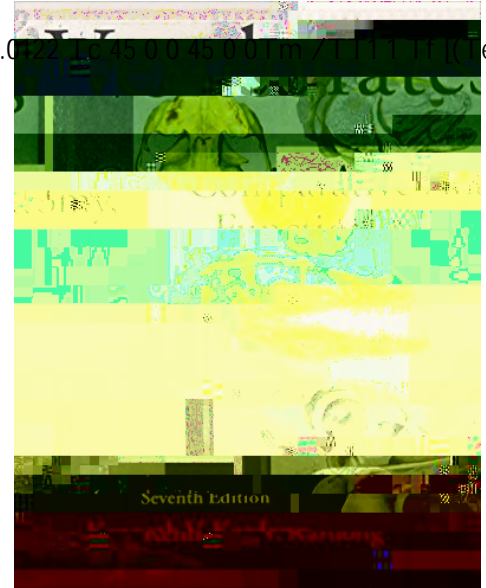
BIO 317
Comparative Vertebrate Anatomy & Physiology
Spring 2016; TR 9:25-10:40; 300 Cox Science & Language

Course Description: This course is a study on the diversity and connectivity of the subphylum *Vertebrata*. Participants will examine the form and function of anatomical structures from various species and integrate this knowledge with natural history to deduce the evolutionary relationships among the vertebrates – how/why they adapted to particular environments. Cellular and physiological parameters among vertebrates and some non-vertebrates will be compared. Additionally, discrete knowledge and practice of anatomical/physiological terminology and structural identification will be gained.

2015-2016 Academic Catalog: <https://www.williamwoods.edu/catalogs/1516/undergraduate/index.aspx>

Course Prerequisites: BIO 124 (General Biology II) and CHM 124 (General Chem(e)BT structure) concurrent enrollment in BIO 318

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Biology Program Objectives:

1. Demonstrate knowledge of cell ultra-structure and basic cellular processes and develop an understanding of the requisites of life.
- 2.

- Atomic learning

All students at WWU have access to this online tutorial program. Atomic Learning is a digital tutorial website with more than 1,500 hours of online professional development and learning resources. This program will assist you in learning how to use different software programs.

Atomic Learning is accessed through OwlNet. Once logged into OwlNet, the Atomic Learning link is on the far right in the grey section under courses. The log in is your email user name and password. If you have any questions or concerns you can contact the UIT helpdesk at helpdesk@williamwoods.edu.

Grading Scale:

- Percentages from lecture and lab (BIO318) will be combined into one final grade.
- Lecture is weighted as of the final grade and lab as .
- Passing final grades must be received in lecture and lab to pass both courses.

Available Lecture Points:

<i>Activity</i>	<i>Category Total Point Value</i>
Unit Exams (x3)	300
Final Exam	150
Quizzes (x8)	80
Comparative Paper	7

Additional Academic Policies can be found at: 2015-2016 Academic Catalog:
<https://www.williamwoods.edu/catalogs/1516/undergraduate/policies.aspx>

Academic Credit Hour Definition: The University has adopted the following United States Department of Education definition of a credit hour:

A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than:

- (1) one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time.*

Expected Outside Time Commitment: Following the US DOE definition, students should expect to spend a minimum of 90h outside time for the lecture component (BIO317) since it is similar in time structure to a 3-credit course. Estimated time is given by

