

Department:

Biology

Course Description:

This course covers the anatomy and physiology of representative species of each phylum of the animal kingdom. The evolutionary connection between the phyla of the phylogenetic tree is covered with each phylum.

Course Competencies:

Upon completion of the course, the student should be able to:

1. List and describe the characteristics of an animal.
2. List the commonly used taxonomic categories.
3. Explain the system of binomial nomenclature.
4. Give the taxonomic description of the phyla covered in the course.
5. Classify common animals according to phylum and class.
6. Explain the life processes carried out by a representative organism of each phylum covered.
7. Explain the ecological importance of selected members of each taxonomic groups covered in class.

Course Content:

- A. Biological Principles and the Science of Zoology
- B. Continuity and Evolution of Animal Life
- C. Diversity of Animal Life
 1. Classification and Phylogeny of Animals
 2. Protozoan Groups
 3. Sponges and Placozoans
 4. Radiate Animals
 5. Flatworms
 6. Molluscs
 7. Annelids
 8. Arthropods
 9. Crustaceans
 10. Echinoderms
 11. Chordates
 12. Fishes
 13. Amphibians
 14. Reptiles
 15. Birds
 16. Mammals
- D. Activity of Life
- E. Animals and Their Environments

Learning Assessments:

Course competencies will be assessed by the use of lecture tests, subject area tests, lab assignments, quizzes, and web site activities.

Instructional Materials:

Textbook: Hickman, Jr., C.P., Keen, S., Larson, A., & Eisenhour, D. (2018). *Animal Diversity* (8th ed.). New York, NY: McGraw-Hill. ISBN-13: 978-1259756887

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students **must** complete the “Disabilities Self-Identification Form” on our [Disability Services website](#).

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).