Administrative Unit: Science

Course Prefix and Number: BIOL 211

Course Title: Zoology

Number of Credit Hours: 5 Lecture Hours: 3 Laboratory Hours: 2

Catalog Description: Survey of animal phyla and vertebrate organ systems. Laboratory is included. $20 lab fee. Prerequisite: BIOL 112 and 112L or instructor's permission. Odd fall.

Prerequisite(s)/Corequisite(s): BIOL 112 and 112L or instructor's permission.

Text(s): Textbooks listed are not necessarily the textbook(s) used in the course.

Most current editions of the following:


Course Objectives:

- To describe the classification and phylogeny of animals.
- To summarize major characteristics of each of the animal phyla.
- To describe the evolutionary development and function of major organ systems.

Measurable Learning Outcomes:

- Describe how organisms are named systematically.
- Outline the classification of life.
- List the general features of all animals.
- Identify the key transitions in body organization that have occurred over the course of animal evolution.
- Compare traditional and alternative classification methods for animals.
- Identify major characteristics and evolutionary relationships of each group of animals.
- Identify major characteristics and evolutionary relationships of each group of animals.
- Describe the functional systems of vertebrates.

Topical Outline (major areas of coverage):

- Animal systematics and phylogeny
- Characteristics of animals
• Diversity in the animal kingdom
• Changes in the animal body plan over evolution
• Noncoelomate invertebrates
• Coelomate invertebrates
• Vertebrates
• Animal form and function

Material from this course may be tested on the Major Field Test (MFT) administered during the Culminating Experience course for the degree.

Recommended maximum class size for this course: 24

Library Resources: Online databases are available at http://www.ccis.edu/offices/library/resources.asp. You may access them from off-campus using your eServices login and password when prompted.

Prepared by: Julie Estabrooks, Ph.D.  ____________________________  ____________________________
Name                                        Signature

Date: October 14, 2005

NOTE: The intention of the master syllabus is to provide an outline of the contents of this course, as specified by the faculty of Columbia College, regardless of who teaches the course, when it is taught or where it is taught. Faculty members teaching this course for Columbia College are expected to facilitate learning pursuant to the course objectives and cover the subjects listed in the topical outline. However, instructors are also encouraged to cover additional topics of interest so long as those topics are relevant to the course’s subject. The master syllabus is, therefore, prescriptive in nature but also allows for a diversity of individual approaches to course material.

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