Fall 2011

ALICE LLOYD COLLEGE
COURSE OUTLINE

Course Number and Title: Biol 206 Zoology

Instructor: Robert G. Hamilton, Ph.D.
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Office Hours: posted at office door

Prerequisite(s): Biol 111 or permission of instructor.

Course Description:
BIOL 206 Zoology 4 credit hours

A study of animals as organisms. Topics of study include a survey of the animal kingdom with representative life cycles and classification; the concept of species; a systematic approach to the study of structure and function with emphasis on the invertebrates. Three lecture hours and two laboratory hours.

Objectives of the Course:

To familiarize the student with the science of Zoology and the evolution of animals. Students will learn how animals are classified; how and why they are classified as they are and how animals function.

The information presented during this course will be focused on specific problems. Students will be required to synthesize information into written and oral responses to key problems presented during the course as a means of developing abilities to effectively integrate and communicate information regarding science related topics.

Requirements for the Course:

Students will be required to:

1. attend scheduled class lectures, take all exams and quizzes, and complete all written assignments.
2. read regularly the assigned text material and associated supplementary readings.
3. demonstrate an understanding of the science of zoology.
4. demonstrate the ability to integrate knowledge into an understanding of zoology.
5. participate in group tasks, oral discussions, and individual efforts as apply to the responsive questions and critical-thinking tasks.

Technology:

Students will be encouraged to access on-line resources and websites that supplement their class lecture and laboratory readings. We will use the Tree of Life website as our primary resource for animal classification (as it is continuously revised and thus more up to date than any textbook).

Writing Across the Curriculum:

This course will employ opportunities for students to display their verbal and written skills. Several essay questions will appear on exams, and other work, especially problem sets, where the student's grammar, spelling and critical thinking will be evaluated.

Resources and Materials:

Textbook:

Hickman, Integrated Principles of Zoology. 15th edition. McGraw Hill
http://www.tolweb.org/tree/

Attendance Policy:

Attendance is required for all scheduled lectures as well as the laboratory sections. ***Prompt arrival to class is expected***. As per ALC policy, any student with an absentee rate ≥ 20%, *regardless of whether the absences are excused or unexcused*, will fail the course. It is the *student's responsibility* to make every attempt to contact the instructor in advance to notify her of officially excused absences (e.g., professional school interviews, participation in college sanctioned events, etc.) in order to make alternative arrangements to complete any work that would be due during the excused absence. It is the *student's responsibility* to contact the instructor as soon as possible following any unforeseeable emergency (e.g., illness, accident, family emergency, etc.) in order to be given any extensions on deadlines for completion of any missed assignments. It is the *student's responsibility* to clear any absences with the Office of the Academic Dean. It is the *student's responsibility* to complete any and all assignments and to turn them in to be graded in a timely manner.

Make-up and late policies:

Tests can be made up if the student notifies the instructor in advance and a make up date arranged prior to the date of the test. It is important to return tests as quickly as possible, and so delays due to make up will be reduced as much as possible.

Problem sets will have the grade reduced by 10% for each day late.

You cannot miss your presentations. We will negotiate presentation times well in advance, and subsequent conflicts must be resolved prior to the presentation date in any event.

Policy on Plagiarism:

The ALC faculty has officially adopted the following policy on plagiarism:

"Plagiarism is the act of using another's idea or expression in your writing without acknowledging the source…In short, to plagiarize is to give the impression that you have written or thought something that you have in fact borrowed from someone else" (21)
"Plagiarism often carries severe penalties, ranging from failure in a course to expulsion from the school."
"The most blatant form of plagiarism is to repeat as your own someone else's sentences, more or less verbatim…" (22)
"Other forms of plagiarism include repeating someone's particularly apt phrase without appropriate acknowledgement, paraphrasing another person's argument as your own, and presenting another's line of thinking as though it were your own…"(23)
Source: Gibaldi, Joseph. *MLA Handbook for Writers of Research Papers*. 3rd ed. New York: Modern Language Association of America, 1988.

Evaluation:

Midterm exams:

There will be 4 midterm exams during the semester. 40% of your grade will be attributed to midterm exams. Each exam is thus worth 10% of your final grade.

Individual presentations:

Students will individually make presentations during the last week of classes. The individual student presentation will be worth 10% of your total grade.

Laboratory:

Labs will focus on animal systems. We will look at how the different systems that make up the bodies of animals function. In each lab we will review the evolution of an animal system from primitive animals to mammals.

Lecture:

Lectures will focus on the classification of animals. We will review animal groups and their characteristics. We will also discuss the system of classification.

Final Exam:

Worth 25% of the final grade.

Grading:

Lecture:

Midterm exams (collectively)	**40% of total grade**

Laboratory:

Weekly Assignments:	**10% of total grade**
Lab exams (1st 5%, 2nd 10%)	**15% of total grade**

Presentation	**10% of total grade**

Final Exam:

Comprehensive (lab and lecture)	**25% of total grade**

The following scale will be used for assigning grades:

A = 90-100
B = 80-89
C = 70-79
D = 50-69
F = $\leq$ 49

Lecture Exam Schedule (tentative):

Midterm 1
Chapters 1, 3, 6 - 9.

Midterm 2
Chapters 10 - 16.

Midterm 3
Chapters 17 - 22.

Midterm 4
Chapters 23 – 28.

Laboratory Schedule (tentative):

1. Overview – What is an Animal
2. Animal Development
3. Digestion
4. Skeletal System
5. Muscular System
6. Excretory System

1st exam

7. Circulatory System
8. Endocrine System
9. Nervous System I
10. Nervous System II
11. Immune System

2nd exam