FD'02

Biology 351L Comparative Vertebrate Anatomy Laboratory

Chaminade University of Honolulu/Fall 2002
Mrs. Patricia Lee-Robinson
Class Meetings: Wednesdays, 2-4:50 pm, Henry Hall Room 13
Office: Henry Hall 16
Office Hours: MWF 10:30-11 am, TR 11:00-11:30 am and by appointment
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Required Text:

Fishbeck and Sebastiani, **Comparative Vertebrate Anatomy, Manual of Vertebrate Dissection,** Morton Publishing Company, 2001
Handouts

Concurrent registration in BI 351 Comparative Vertebrate Anatomy Lecture is required.

General Course Objectives:

To examine structural aspects of organisms from representative vertebrate groups through dissections and demonstrations.

Specific Student Objectives:

To examine different vertebrates and their habitats,
To examine different vertebrates and their interactions with both the abiotic and biotic components of their environment,
To understand representative vertebrate groups and their structural adaptations to their environments,
To understand representative vertebrate groups and their physiological adaptations t their environments,
To gain an appreciation of the structure-function relationships in representative vertebrates.

Grading:

Three laboratory practical examinations	70%
Quizzes	10%
Laboratory Notebook(evaluated two times)	5%
Attendance/Participation/Dissections	15%

Makeup examinations/quizzes and extra credit:

Makeup examinations and quizzes are not normally given. If a student is ill and brings a **doctor's written excuse** within 24 hours, the instructor may grant a makeup examination. Extra credit assignments are not given.

Attendance:

Presence is class is necessary in order for a student to fully grasp concepts and applications. Absences beyond one unexcused (instructor's prerogative) will result in a reduction of the course grade.

Readings:

Students are responsible for all text assignments, as well as supplementary handouts. Students are encouraged to read ahead to keep up with high volume of material.

14	11/27	Nervous System/Sensory Organs	Lab manual
15	12/4	**Lab Exam III**	

Note: Every effort has been made to insure that the material in this syllabus is accurate and complete. However, occasionally changes must be made in the printed schedule. Thus the instructor reserves the right to make any changes in the contents of this syllabus that she deems necessary or desirable. These changes, if any, will be announced as soon as the need for them becomes apparent.

Because the university is an academic community with high professional standards, its teaching function is seriously disrupted and subverted by academic dishonesty. Such dishonesty includes, but is not limited to, cheating, which includes giving/receiving unauthorized assistance during an examination; obtaining information about an examination before it is give, using inappropriate/unallowed sources of information during an examination; altering answers after an examination has been submitted; and altering the records on any grade. (Refer to the Chaminade University catalog for further information).

Tentative Course Outline:

Week	Date	Topic	Assignment
1	8/28	Introduction to laboratory Overview of dissection techniques/expectations Explanation of lab safety guidelines	Introduction in lab manual
2	9/4	Lamprey Dissection	Lab manual: pp. 27-44
3	9/11	Vertebrate Integuments Introduction to Skeleton System	Handouts
4	9/18	Skeletal System	Lab manual: pp. 55-66; pp. 209-226
5	9/25	Skeletal System continued Muscular System and External Anatomy	Lab manual: pp. 67-78; 227-258
6	10/2	**Lab Exam I** Muscular system continued	
7	10/9	Muscular system continued	
8	10/16	Body Cavities/Mesenteries	Lab manual: pp. 79-84; pp. 259-269
9	10/23	Respiratory/Digestive System	Lab manual: pp. 85-94; pp. 271-284
10	10/30	Urogenital System	Lab manual: pp. 95-100; 285-298
11	11/6	**Lab Exam II** Endocrine System Circulatory System	 Lab manual: pp. l33-l35; 341-346 Lab manual: pp. 101-116; pp. 295-324
12	11/13	Endocrine System continued Circulatory System continued	
13	11/20	Nervous System/Sensory	Lab manual: pp. 117-132; pp. 325-340

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