Biology 351 Comparative Vertebrate Anatomy

Chaminade University of Honolulu
Mrs. Patricia Lee-Robinson
Fall 2002
Class Meetings: TR 9:30-10:50 am, Henry Hall Room 8
Office: Henry Hall 16
Office Hours: MWF 10:30-11; TR 11-11:30 am and by appointment
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Required Text: Kent and Carr. Comparative Anatomy of the Vertebrates. McGraw-Hill. 2001.

General Course Objectives:

To examine structural aspects of organisms from representative vertebrate groups, and to study their evolution.
Concurrent registration in BI 351L Comparative Vertebrate Anatomy Laboratory is required.

Specific Student Objectives:

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 lecture examinations	60%
Quizzes	15%
Final Examination	25%

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 three 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.

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 given, 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	Dates	Topic	Assignment
1	Aug 27/29	Introduction What is vertebrate morphology? Historical review	Chapters 1 and 2
2	Sep 3/5	Origin of Chordates	Chapters 3 and 4
3	Sep 10/12	Integument	Chapter 6
4	Sep 17/19	Skeletal System: General	Chapter 7
5	Sep 24	**Examination I (Ch 1-4, 6, 7)**	
	Sep 26	Axial Skeleton: Vertebrae, Ribs, Sterna	Chapter 8
		Axial Skeleton: Skull	Chapter 9
6	Oct 1/3	Axial Skeleton continued	
7	Oct 8/10	Appendicular Skeleton	Chapter 10
8	Oct 15/17	Muscular System	Chapter 11
9	Oct 22/24	**Examination II (Ch. 8-11)**	
		Digestive System	Chapter 12
10	Oct 29/31	Circulatory System	Chapter 14
11	Nov 5/7	Urogenital System	Chapter 15
	Nov 8	**LAST DAY TO WITHDRAW FROM CLASSES**	
12	Nov 12/14	Endocrine System	Chapter 18
		Nervous system	Chapter 16
13	Nov 19	**Examination III (Ch 12/14/15)**	
	Nov 21	Nervous System	
14	Nov 26	Nervous System continued	
	Nov 28	Thanksgiving Holiday - no class	
15	Dec 3/5	Sensory Organs	Chapter 17
16	Dec 9	**Final Examination** **8:00-10:00 am**	

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.