

BIOLOGICAL SCIENCES 105 -- SYLLABUS

SPRING 2008

<u>INSTRUCTORS</u>	<u>OFFICE</u>	<u>PHONE</u>
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TEXTBOOK: *Integrated Principles of Zoology*, 13th edition, Hickman, Roberts, Larson

ATTENDANCE: Students are expected to attend all scheduled lectures and laboratories. Absences for illness (with Doctor's note), family emergency (with Dean of Students note) or religious holiday are excused. Other situations may be approved also. For excused absences we will try to arrange make-up examinations and laboratory work, but only if we are informed in advance of the scheduled exam or laboratory. If arrangements are not possible, the lowest grade on any piece of work will be assigned as the missing grade. If an absence is not excused by an instructor then no make-up will be arranged and a zero will result for that exam or laboratory.

BEHAVIOR: This is always a popular class that is held in a large classroom. In spite of these challenges, however, we will attempt to start each lecture on time and to maintain an atmosphere conducive to concentration and learning. To support this effort we expect responsible and appropriate behavior from each student. This includes being on time, ensuring that cell phones and beepers are turned off during class and, once the lecture period has begun, keeping traffic in and out of the room and unnecessary conversation to an absolute minimum.

LABORATORIES: Labs will meet in Hoffberger G27 and will begin promptly at the scheduled hour. Students are expected to have read assigned laboratory materials before class and laboratory period.

Lab work is due at the beginning of the laboratory period. If you are late to lab your work will be considered late. Late work is penalized 5 points per working day. No computer problems are accepted as excuses. Normally, late work will not be accepted after on-time papers have been graded and returned.

ANIMAL WORK: Bio 105 is a course that studies the biology of vertebrate animals. Laboratory work will include the dissection of properly prepared vertebrate specimens. In addition, experimental work on anesthetized animals will also be conducted. All work in this course has met the normal standards for teaching at the college level and has been approved by the college's Animal Care and Use Committee. **If you do not want to do animal work, do not take this course.**

EXAMINATIONS: Examinations will cover material in lectures, assigned readings and laboratory exercises.

FINAL GRADES:	Three one-hour examinations	45%
	Quiz	5%
	Laboratory grade	30%

Bio 105 goals:

- To develop an appreciation for the diversity and evolution of vertebrate life.
- To develop an understanding of scientific thought and experimentation.

Specific Course objectives:

1. To understand how evolution explains emergence of new adaptations and species
2. To know the main types of evidence supporting evolutionary theory
3. To know the phylogenetic relationships among deuterostomes
4. To know the major structural adaptations used by deuterostomes and how these function in the specific environmental conditions

Reminder: All students are bound by the standards of the Academic Honor Code, found at www.goucher.edu/documents/General/AcademicHonorCode.pdf