

ZOOL 1120 PRINCIPLES OF ZOOLOGY



Lecture Time: 11:00-12:00 PM (M-W-F) **Location:** 130 Lind Lecture (LL)

Instructor: Dr. Jon Marshall
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Faculty Web Site: http://geocities.com/jcmarshall_species/Research.html

Science Blog: http://geocities.com/jcmarshall_species/blog.html

Text: Hickman, Roberts, Larson, l'Anson, Eisenhour. 2006. *Integrated Principles of Zoology 13th Ed.* McGraw-Hill (Customized for Principles of Zoology II)

Lab: Cavitt *et al.* 2008. Zoology 1120 *Principles of Zoology II Lab Manual*

Objectives: Understand the four major disciplines of zoology: cell biology, genetics, evolution & ecology
Gain an awareness, appreciation, and interconnection of the four disciplines to everyday life
Learn to apply statistical analysis during data collection
Learn to read and write a scientific paper and how scientific ethics is ever so critical
Develop critical thinking skills and avoid memorization/regurgitation

Evaluation: Total of **600 points** will be divided as follow:

(1) **Okazaki Invertebrate Lecture (200 pts):** 2 semester exams (100 pts each)

(2) **Marshall Vertebrate Lecture (200 pts):** 1 semester exam & final exam (100 pts each)

Exams will be multiple choice in a chi-tester format. No make-up exams will be given. A student with a valid (e.g. medical) excuse will only have the scores from the tests taken to be used in the final calculation of the grade. Students missing exams without a valid excuse will be assigned 0 points.

(3) **Laboratory (260 pts):**

Grading: Based on the percentages of the 660 total points

A: 93-100	A-: 90-92	B+: 87-89	B: 83-86	B-: 80-82	C+: 77-79
C: 73-76	C-: 70-72	D+: 67-69	D: 63-66	D-: 60-62	E: <60

Attendance: Exams will be based upon the lecture material and the reading assignments. Attendance will be crucial to ensure success in the course.

Academic Honesty: Academic misconduct will not be tolerated during the exams and will lead to 0 points. Study groups are encouraged to help stimulate an active learning process.

“Any student requiring accommodations or services due to a disability must contact Services for Student with Disabilities (SSD) in Room 181 of the Student Service Center. SSD can also arrange to provide course materials (including this syllabus) in alternative formats if necessary.”

Tentative Lecture Schedule

<u>Week of</u>	<u>Topics</u>	<u>Chapter Readings</u>
20 October	Fishes	Ch. 24
27 October	Tetrapod origins & amphibians	Ch. 25
03 November	Amniote origins & reptiles	Ch. 26
10 November	Reptiles continued	
13-14 November	Midterm III	
17 November	Birds	Ch. 27
24 November	Birds & Mammals	Ch. 28
01 December	Mammals	
08 December	Final Exam	