

Biology 182: Zoology
T, Th 4:45-6:10 pm, Science Lecture Hall 102

Spring 2010

Instructor:

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Text:

Zoology, by Miller and Harley
6th or 7th edition **OR** OCC custom
7th edition. McGraw Hill

<u>DATE</u>	<u>TOPIC</u>	<u>CHAPTER</u>
2/2	Course intro; organism classification and evolution	4
2/4	Evolution and speciation	4,5
2/9	General Characteristics of animals	7
2/11	Porifera, Cnidaria, Ctenophora, Platyhelminthes	9.10
2/16	Mollusca, Annelida, Nematoda	11, 12, 13
2/18	Arthropoda, Echinodermata, Chordata	14-17
2/23	Chordata	18-22
2/25	Chordata/Review	
3/2	EXAM I	
3/4	Animal Energetics	
3/9	Animal Energetics	
3/11	Animal Energetics / Osmoregulation	
3/16	Osmoregulation	
3/18	Integument types, Skeletal systems, Muscle types	23
3/23	Muscle function	23
3/25	EXAM II	
3/30	No Class—Spring Break	
4/1		
4/6	Nervous systems	24
4/8	Nervous systems	24
4/13	Sensory systems	24
4/15	Sensory systems	24
4/20	Endocrine systems	25
4/22	Chemical communication	25
4/27	EXAM III	
4/29	Circulation	26

DATE	TOPIC	CHAPTER (Miller/Harley)
5/4	Circulation and respiration	26
5/6	Respiration and feeding	26, 27
5/11	Digestion	27
5/13	Reproductive strategies	29
5/18	Reproductive strategies	29
5/20	Embryology	33
5/25	Embryology/Review	33
5/27	EXAM IV	

Instructor and course information:

My office hours are as follows:

Monday 1:30-2:30pm

Tuesday 3:30-4:30pm

Wednesday 1:30-2:30pm

Thursday 11:30am-1pm

I am happy to meet with you during my office hours, or by appointment. I also check my email several times a day, including weekends when I have time. Please do not ever think you are interrupting me; talking to students is my favorite thing and I am always happy to help you.

The last day to drop and apply for a refund is February 12; ***YOU ARE RESPONSIBLE FOR YOUR OWN PAPERWORK!!*** I will not drop you if you stop coming to class, and will give you a failing grade if you do not withdraw yourself from the course.

Absences are suicide in this course. Your excuse is not relevant, and generally is none of my business. Missing class will always harm your grade. If you are absent, you are responsible for anything you miss, and that includes getting notes, handouts, etc from your classmates. After you have studied these materials, I will answer a reasonable number of questions, but please do not expect private lessons.

Prepare for lecture by reading the assigned material before the class date. By coming to class prepared you can be an active participant, however if you aren't prepared you will fall victim to the course's fast pace.

You are expected to be on time for class. It is extremely rude and disruptive to come late or leave early. I will ask you to leave if you cannot respect your classmates or myself. Turn off your cell phones (NOT vibrate mode...**OFF**) during class. I do encourage an interactive learning environment, but you are expected to be quiet and respectful of whoever is speaking.

Spelling and grammar matter in all of your written work! I expect any written work you hand me to be high quality English. I grade academic content first, but careless writing or proofreading will cost you points.

Grading criteria: Accuracy, clarity, completeness, use of English, including grammar and spelling.

Grades will be broken down in lecture as follows:

Exams: 4 @ 100	400
Journals: 4 @ 25	100
Skill building assignments: 10 ea.	??
Other assignments:	<u>??</u>
Total points for lecture: 500 + skill building points & other assignments	

I grade on a straight scale:

- 90-100% = A
- 80-89% = B
- 70-79% = C
- 60-69% = D
- 59% and below = F

The grade you earn is the grade you get!!

Explanation of evaluation: You will take 4 exams, which will primarily be multiple choice, true/false, and matching format. You may also have 3-6 short answer questions to answer on those exams. Each exam will increase in difficulty, and they will progressively test your critical thinking skills, not just your ability to “regurgitate” knowledge back to me.

You have also been assigned 8 journal assignments. Details will follow, but they will be turned in on Blackboard Vista.

Please note:

- Keep track of all of your own points.
- Keep all of your tests and other graded work until the class is over..
- Assignments must be handed in on time to receive full credit. Late assignments will be docked 10% for each day (or fraction of day) that they are late, including weekends.
- Lecture exams may be based on lectures, tutorials, discussions and assigned textbook and paper readings.
- If you leave lecture early, you may not receive credit for any in-class assignments completed prior to your early departure.
- All exams count and there are no make-up exams without **prior** consent and only under extreme circumstances (i.e. a documented medical emergency). Make-up exams may be entirely essay and/or oral.

Student Learning Outcomes:

1. Students will be able to distinguish and categorize major groups of animals based on morphological characteristics.
2. Students will be able to compare the anatomy and physiology of various animals and the relevance of those structures to the animals' survival.
3. Students will be able to use the processes of evolution and speciation to explain variations in animal groups.

Learning Strategies:

The following is a general list of forming good study habits.

1. Complete the reading of the textbook before lecture and prepare any questions. Your text is a tool, but you must use it correctly.
2. Attend all lectures. Some material I discuss will not be in the text and I will expect you to know this additional information.
3. Be active in class. Ask questions and participate in group discussions and activities. Arrive on time and do not leave early.
4. Form study groups with classmates.
5. Take well-organized notes. This may require you to rewrite your notes.
6. Draw diagrams and flow charts to connect ideas to form concepts and increase your critical thinking.
7. Do not be afraid to ask questions or make comments in class. Your understanding is important to me.
8. Come to my office hours. I am willing to explain a concept in as many ways as I know how to help you get it.
9. Enjoy this course.

Accommodations:

If you have a documented physical, psychiatric/emotional, medical, or learning disability that may impact your ability to carry out assigned course work, I urge you to contact the staff in the Office of Special Programs & Services at (714) 432-5548. The staff will review your concerns and determine, with you, what accommodations are necessary and appropriate. All information and documentation is confidential.

Academic Dishonesty:

Copying another student's work, copying any other person's work without citing the source, submitting any work that is not your own, any kind of notes or other outside information visible during an exam, are examples of cheating. If I catch you doing any of those or any other dishonest act, I will assign you zero points on that assignment and enforce the maximum penalty allowed under OCC's Academic Integrity policy. The use of a cell phone or any other electronic device during an exam is specifically forbidden (calculators are OK for computations only when I give permission). During an exam, any such device exposed in your possession, or the use of any such device will be treated as cheating.