

**BIOLOGY OF ANIMALS 26-230****Tentative Lecture Schedule****M, W, F 1:50-2:50 PM****Spring 2012****Halsey 107**

DATE	TOPIC	READ	LAB
Jan 30	Introduction: Classification and Phylogeny	Ch 07	Taxonomy,
Feb 01	Kingdom Protista: General Characteristics	Ch 08	Microscopy,
Feb 03	Protozoans: Apicomplexa, Ciliophora, Amebas	Ch 08	Protozoa
Feb 06	Protozoans, cont.	Ch 08	Protozoa, Porifera
Feb 08	Body Plans of Animals	Ch 02	
Feb 10	Placozoa: Porifera	Ch 09	
Feb 13	Porifera, cont.	Ch 09	Cnidaria and Ctenophora
Feb 15	Phylum Cnidaria: Hydrozoa, Scyphozoa	Ch 09	
Feb 17	Cnidaria: Anthozoa; Phylum Ctenophora	Ch 09	
Feb 20	Phylum Platyhelminthes: Turbellaria	Ch 09	<b>EXAM I (through Ctenophora)</b>
Feb 22	Platyhelminthes: Trematoda	Ch 10	
Feb 24	<b>EXAM I (through Ctenophora)</b>	Ch 10	
Feb 27	Platyhelminthes: Cestoda; Phylum Nemertea	Ch 10	Platyhelminthes
Feb 29	Intro to Pseudocoelomates, Phylum Rotifera	Ch 13	
Mar 02	Phylum Nematoda	Ch 13	
Mar 05	Phyla Acanthocephala; Entoprocta	Ch 13	Pseudocoelomates
Mar 07	Phylum Mollusca: Polyplacophora	Ch 11	
Mar 09	Mollusca: Gastropoda	Ch 11	
Mar 12	Mollusca: Bivalvia, Cephalopoda	Ch 11	Mollusca
Mar 14	Phylum Annelida: Polychaeta	Ch 12	
Mar 16	<b>EXAM II (through Cephalopoda)</b>		
Mar 19	<b>SPRING BREAK</b>		<b>Have fun!</b>
Mar 21			
Mar 23			
Mar 26	Annelida: Oligochaeta, Hirudinea	Ch 12	Annelida
Mar 28	Phylum Arthropoda: Chelicerata (Pycnogonida)	Ch 14	
Mar 30	Arthropoda: Chelicerata (Arachnida)	Ch 14	
Apr 02	Arthropoda: Crustacea	Ch 14	<b>EXAM II (through Mollusca)</b>
Apr 04	Arthropoda: Insecta	Ch 15	
Apr 06	Insecta, cont.	Ch 15	
Apr 09	Phylum Echinodermata: Asteroidea	Ch 16	Arthropoda
Apr 11	Echinodermata: Ophiuroidea, Echinoidea	Ch 16	
Apr 13	Echinodermata: Holothuroidea	Ch 16	
Apr 16	Intro to Phylum Chordata	Ch 17	Echinodermata, Chordata
Apr 18	Chordata: Fishes	Ch 18	
Apr 20	<b>EXAM III (through Holothuroidea)</b>		
Apr 23	Chordata: Fishes	Ch 18	Field Trip
Apr 25	Chordata: Amphibia	Ch 19	
Apr 27	Chordata: Reptilia	Ch 20	
Apr 30	Chordata: Aves	Ch 21	<b>EXAM III (through Chordata)</b>
May 02	Chordata: Aves	Ch 21	
May 04	Chordata: Mammalia	Ch 22	
May 07	Chordata: Mammalia	Ch 22	
May 09	TBA		
May 11	<b>EXAM IV (through Mammalia)</b>		

\*Chapter references in Zoology by Miller and Harley, 8th ed. Additional reading assignments may be given in class.

LECTURER: Dr. Shelly Michalski phone: (920) 424-7082 e mail: michalsk@uwosh.edu

**Welcome to Bio 230 (Biology of Animals), the required zoology course for UWO Biology majors. I'm your lecture professor (Dr. Shelly Michalski), and I also teach Bio 108 Honors Biology and Bio 354/554 Parasitology. I am a parasitologist and study tropical disease of humans and parasites of Wisconsin wildlife.**

### **Bio 230 Study hints:**

- (1) Download and thoroughly read the Biology 230 study guides from D2L. Also, use the online resources that come with the textbook to reinforce concepts.
- (2) Lightly read the assigned chapter prior to class, then look at the lecture outline, so you have some sort of idea what we are covering that day. Actively listen during lecture, ask questions for clarification.
- (3) Make a vocabulary list. Find a study partner, or several, and use the vocabulary while discussing lecture and lab notes.
- (4) Seek individual help early if you feel completely lost. That means, COME SEE ME!
- (4) DON'T feel embarrassed if you are not doing as well as you think you should be; seek help. There are free tutors available for Bio 230!!!!

**Course Objectives:** Students will develop an appreciation for the diversity of animal life, the phylogenetic relationships between animal groups, and the structural features that enable animals to inhabit various habitats. Students will be expected to recall taxonomic rankings presented in lecture, be able to summarize the unifying features of animal groups and describe physiologic processes that enable life in different environments.

### **BIO 230 COURSE SPECIFICS**

The lecture portion of the course is meant to introduce evolutionary relationships and unifying features of major animal groups; you will be tested on this material in the lecture exams. In laboratory, you will see many examples of representative animals from these groups, some of which are not specifically mentioned in lecture. You will be expected to identify the emphasized anatomical features of these animals, related these features to their physiology, and provide their taxonomic classifications for the laboratory exams. Do not treat lecture and lab as separate entities - use them to build on and reinforce each other!

### **Text and Notes:**

The text for this course is Zoology, 8<sup>th</sup> edition by Miller and Harley. The text is available in the bookstore and should be purchased prior to first class. Also available in the bookstore is the required lab manual, a UWO – specific version of Laboratory Studies in Animal Diversity, 5th edition by Hickman and Kats; and the Biology of Animals Lab Supplement by Donna Charley-Johnson. I also highly recommend you purchase of a dictionary of word roots and combining terms, such as that by Donald J. Borror. Lecture notes are available on the UWO Desire 2 Learn site (<http://www.uwosh.edu/d2l>) in the Course Documents section.

### **Graded Work:**

#### **Lecture**

Four lecture exams are scheduled (see syllabus for dates). Your performance on the lecture part of the course contributes 57% of your final grade. Each exam will be

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composed of objective and subjective questions worth 100 points. Students who must miss an exam *must contact me before the exam* to arrange for a makeup exam. Makeups of exams are not allowed except in the proven cases of severe illness of a student or death of an immediate family member. I reserve the right to determine the date, format, and content of makeup exams. There will be no exceptions.

### **Laboratory**

Three lab exams are scheduled (see syllabus for dates) and will be given during the regular lab period. Your performance on the laboratory part of the course contributes 43% of your grade. Each exam will be worth 100 points. **No lab makeup exams will be given for any reason.**

### **Extra Credit Opportunities**

**Self-evaluation quizzes** - Extra credit quizzes will be made available throughout the semester on D2L. You may answer the questions by yourself or with any other person(s), using your text, lecture outlines and/or notes. Each completed quiz is usually worth 1 point, and the quizzes together compose 15 points. **NOTE: the score of the quiz is not factored into your grade - if you take the quiz, you get one point, even if you get the questions wrong. You are being graded on effort. D2L will not automatically put the point into your gradesheet - it only gives you a score and tells me that you took the quiz. I have to manually add the quiz points into your point totals at the end of the semester - so this is why you don't see individual points for quizzes in the gradebook!**

### **Point Distribution:**

<b>Lecture Exams</b>	4	x	100 = 400 points
<b>Lab Exams</b>	3	x	100 = 300 points
Total			<b>700 points</b>

### **Extra credit opportunities:**

Quizzes	1	x	15 = 15 points
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### **Grading Scale:**

Students monitor their progress by checking the Grades page on the course D2L site. Simply add up the total of exam and extra credit points you have accrued, divide it by 700, and multiply by 100 to get the percentage.

<u>Percentage</u>	<u>Grade</u>
93-100	A
90-93	A-
87-89	B+
82-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
64-66	D
60-63	D-
<60	F

**Attendance Policy:**

Attendance is mandatory for each lecture and lab session (see "Course Attendance" statement in the Undergraduate Bulletin). Lab attendance is particularly important. No formal make-up labs will be provided and no 'lab jumping' will be allowed. If you know that you will miss a lab, contact lecture AND lab instructors in advance to make other arrangements. All lab sections are being taught by Donna Charley-Johnson, M.S. (charleyj@uwosh.edu).

**Outside Readings:**

Outside reading assignments may be made to supplement text/lab material. Copies of the readings will be placed on reserve or handed out in class. You may be tested on assigned readings.

**Academic Integrity:**

Students are expected to uphold the guidelines of academic integrity put forth by University of Wisconsin-Oshkosh. Violation of these standards (i.e. cheating) will result in formal written reprimand, a failing grade for the course, and possible disciplinary probation.

**Common Courtesy:**

A ringing cellular phone disrupts the learning process of your neighbors. Please turn off all cell phones and pagers prior to class. You will be treated as if you have come to a state university (which you have) and will be expected to behave accordingly in this auditorium. If you are being disruptive, talking excessively, reading the newspaper, talking on your cell phone, lost in a dream with your iPod plugged into your ears, etc., you will probably be asked to leave, maybe even asked to drop the class.

**Americans with Disabilities Act:**

UWO is committed to providing accommodations and/or services to students with documented disabilities. Students who are seeking support for a disability should contact Disability Services, 125 Dempsey Hall. Phone: 424-3100; TTY 424-1319; email [www.tts.uwosh.edu/dean/](http://www.tts.uwosh.edu/dean/)

**Contact Information:**

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Office hours (Halsey 152): MW 3:00-4:00 PM, or by appointment or open door policy

I may periodically send the class announcements that are pertinent to class via e-mail. *These correspondences will be sent to your uwosh.edu accounts.* If you use a different email account, it is YOUR responsibility to make sure that your uwosh.edu e-mails are forwarded to the account you use.

**To help you succeed in the course and in college, I have compiled some words of advice, some of which are borrowed from John Janovy Jr., University of Nebraska Lincoln:**

**Academic Success:**

- (1) Download and thoroughly read How to Outwit College Professors available in the Course Content section of D2L.
- (2) Come to class. The quickest way to bad grades is not to attend class.
- (3) Make sure every instructor you have knows your name, and make sure that instructor knows you and your work well enough so that he/she can write a letter of recommendation for you if necessary.
- (4) Pay attention to world events, especially those with a cultural component. Try to understand why these events take place, even though your courses may not deal with anything other than specific subject matter having nothing to do with global politics or economics.
- (5) Visit museums on campus and in town about once a week. Talk to your friends about what you see in those buildings. Be able to talk intelligently about the works there, as well as the sculptures on campus.
- (6) Pay attention to the campus landscaping; read the labels on the trees and plants. Talk about campus landscaping and vegetation with your friends.
- (7) Read some high quality magazine fairly regularly such as The New Yorker, Harpers, or Atlantic Monthly. Ask your instructors for a reading list of non-fiction books and read some of the items on such lists.
- (8) Talk to your parents or guardians about the ideas you are encountering here.
- (9) Do something original and creative (poetry, music, sketches, etc.) on a fairly regular basis.
- (10) Go to free lectures and recitals when you have the opportunity. Once you get there, stay through the whole thing and be a quiet and attentive audience member.
- (11) Talk to your fellow students. Find out who are the most challenging faculty members in the arts, humanities and social sciences, and enroll in those teachers' courses.