**Welcome to Bio 230 (Biology of Animals), the required zoology course for UWO Biology majors. I am your lecture professor (Dr. Jennifer M. Zaspel). I am an entomologist and study the evolution of adult feeding behaviors in butterflies and moths, specifically blood-sucking vampire moths in S. and S.E. Asia.**

**Bio 230 Study hints:**

(1) *Download and thoroughly read the Biology 230 study guides from D2L*. Also, use any online resources that come with the textbook to reinforce concepts.

(2) 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 Animal Diversity, 5th edition (2009) by Hickman, Roberts, Keen, Larson, and Eisenhour. 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. 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 composed of objective and subjective questions worth 100 points. Students who must miss an exam *must contact me* ***seven days before*** *the exam* to arrange for a makeup exam. Makeup 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 lab 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**

**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.

**In and outside of class exercises –** There may be opportunities throughout the semester to participate in extra credit activities on topics related to class. These opportunities are at the discretion of the instructor and will be announced in class.

**Point Distribution**:

Lecture Exams 4 x 100 = 400 points

Lab Exams 3 x 100 = 300 points

Total 700 points

**Extra credit opportunities:**

Quizzes 1 x 10-15 = 10-15 points

Extra credit TBA

**Grading Scale:**

Students can 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.

Percentage Grade

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.

Tues 0940-1240 Sec A01L Zaspel

Tues 1320-1620 Sec A02L Charley-Johnson

Thur 0940-1240 Sec A03L Zaspel

**Outside Assignments:**

Outside reading and video assignments may be made to supplement text/lab material. Copies of the readings will be placed on reserve, handed out in class, or available on D2L. You may be tested on these assignments.

**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/

**Contact Information:**

Instructor: Jennifer Zaspel, B.S., M.S., Ph.D

Office phone: 424-1044

Department Phone: 424-1102

Email: zaspelj@uwosh.edu

Office hours (Halsey 36): MW 3:00-4:00 PM, or by appointment

\*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.*

**BIOLOGY OF ANIMALS 26-230**

**Tentative Lecture Schedule**

**M, W, F 1:50-2:50 PM**

**Fall 2011**

**Clow 102**

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| --- | --- | --- | --- |
| **Date** | **Topic** | **Read** | **LAB** |
| Sep 07  Sep 09 | Introduction: Classification and Systematics  Systematics and species concepts | Ch 04  Ch 04 | No lab Week 1 |
| Sep 12  Sep 14  Sep 16 | Animal Architecture: General Characteristics  Protozoan clades  Protozoan clades | Ch 03  Ch 05  Ch 05 | Taxonomy, Microscopes, Protozoans |
| Sep 19  Sep 21  Sep 23 | Phylum Porifera  Phylum Cnidaria: Hydrozoa, Scyphozoa  Cnidaria: Anthozoa; Phylum Ctenophora | Ch 06  Ch 07  Ch 07 | Protozoans, Porifera |
| Sep 26  Sep 28  Sep 30 | Phylum Platyhelminthes: Turbellaria  Platyhelminthes: Trematoda, Cestoda, Review  **EXAM I (through Ctenophora)** | Ch 08  Ch 08 | Cnidaria and Ctenophora |
| Oct 03  Oct 05  Oct 07 | Pseudocoelomates: Phylum Rotifera & Co.  Phylum Mollusca: Polyplacophora, Gastropoda  Mollusca: Bivalvia, Cephalopoda | Ch 09  Ch 10  Ch 10 | **EXAM I**  **(through Ctenophora** |
| Oct 10  Oct 12  Oct 14 | Phylum Annelida: Polychaeta  Annelida: Oligochaeta, Hirudinea  Ecdysozoa: Phylum Nematoda | Ch 11  Ch 11  Ch 12 | Platyhelminthes |
| Oct 17  Oct 19  Oct 21 | Ecdysozoa cont’d: Nematomorpha & Co.  Review  **EXAM II (through Hirudinea)** | Ch 12 | Pseudocoelomates |
| Oct 24  Oct 26  Oct 28 | Phylum Arthropoda: Chelicerata  Arthropoda: Chelicerata (Arachnida)  Arthropoda: Crustacea | Ch 13  Ch 13  Ch 13 | Mollusca |
| Oct 31  Nov 02  Nov 04 | Arthropoda: Insecta  Arthropoda: Insecta, cont.  Phylum Echinodermata: Asteroidea | Ch 13  Ch 13  Ch 14 | Annelida |
| Nov 07  Nov 09  Nov 11 | Echinodermata: Ophiuroidea, Echinoidea  Echinodermata: Holothuroidea  Review | Ch 14  Ch 14 | **EXAM II**  **(through Mollusca)** |
| Nov 14  Nov 16  Nov 18 | Intro to Phylum Chordata  No Class  **EXAM III (through Holothuroidea)** | Ch 15  Ch 15 | Arthropoda |
| Nov 21  Nov 23  Nov 25 | Chordata: Fishes  No Class Thanksgiving  No Class Thanksgiving | Ch 16 | No lab Thanksgiving Week 11 |
| Nov 28  Nov 30  Dec 02 | Chordata: Fishes  Chordata: Amphibia  Chordata: Reptilia | Ch 16  Ch 17  Ch 18 | Echinodermata, Chordata |
| Dec 05  Dec 07  Dec 09 | Chordata: Aves  Chordata: Aves  Chordata: Mammalia | Ch 19  Ch 19  Ch 20 | **EXAM III**  **(through Chordata)** |
| Dec 12  Dec 14  Dec 16 | Chordata: Mammalia  Review  **EXAM IV (through Mammalia)** | Ch 20 | No lab Week 14 |

\*Chapter references in Animal Diversity by Hickman et al, 5th ed. Additional reading assignments may be given in class.