

**INTRODUCTION TO ANIMAL BIOLOGY**  
**BIOL 160, Fall 2012**  
**Sections 15, 16, and 17**

**INSTRUCTOR:** Dr. Jennifer Bray

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**Office Hours:** Wednesday 10:00 - 11:00 and Thursday 2:00 - 4:00 or by appointment.

**CLASS MEETINGS:**

**Lecture:** Monday and Wednesday from 8:00 - 9:15 in SCI A121

**Lab:** 9:00 – 11:50 sections 15 (Tuesday), 16 (Thursday), and 17 (Friday) in TNR 351

**Open Lab Times:** 6:30 – 8:30 p.m. Monday through Thursday

**Lab Exams:** Tuesday evenings in TNR 351. Times vary depending on section:

Section 15, 6:00 – 7:00 p.m.

Section 16, 7:00-8:00 p.m.

Section 17, 8:00-9:00 p.m.

- Please note that lab exams are **not cumulative** and will only cover the new material explored prior to the previous lab exam.
- Test sections for lab will **ONLY** meet during scheduled lab exams and will not meet on other Tuesdays throughout the semester.
- Lab exams **CANNOT** be rescheduled.

**Additional Course Information:** Available on Desire 2 Learn (D2L)

**REQUIRED TEXT:** Raven, Johnson, Losos, Mason, and Singer. (2008) Biology, 8th Edition. McGraw-Hill, New York. Available for rent from the bookstore.

**REQUIRED FOR LABORATORY:**

1. Introduction to Animal Biology Lab Manual. Available for purchase in the bookstore.
2. Dissecting kit. Available for purchase in bookstore.
3. Laboratory safety goggles. Available for purchase in bookstore.
4. Also Recommended: rubber or plastic gloves. Available for purchase in local stores.
5. Some students find A Photographic Atlas for the Zoology Laboratory to be a helpful reference and can also be purchased from the bookstore.

**COURSE DESCRIPTION:**

This course will introduce students to the amazing and diverse world of animals. To do this, a wide range of topics pertaining to animal biology will be covered including (but not limited to): the chemistry of life, basic cellular biology, genetics, animal form and function, and animal diversity.

**COURSE LEARNING OUTCOMES:** By the end of the semester, students should be able to—

1. Apply fundamental concepts in cell biology, genetics, physiology, and animal diversity to your everyday life.
2. Describe key biological principles.
3. Compare and contrast physiological processes in animals from different phyla.
4. Perform basic laboratory procedures including light microscopy and animal dissection.
5. Identify animals based on taxonomy.
6. Show improvement in critical thinking, writing, and oral communication skills.

## **COURSE REQUIREMENTS:**

This course will consist of two 1 hour and 15 minutes lectures and one 3 hour lab per week. You will be required to take four lecture exams worth 120 points each and three lab practical exams worth 100 points each. There will also be a number of quizzes and/or assignments during the semester (worth a total of 50 points). All exams, quizzes, and assignments will count towards the final grade (i.e. no grades will be dropped). If you have an unexcused absence you will NOT be allowed to make up quizzes or assignments.

Exams (both lecture and laboratory) are not comprehensive. That said, course material will build over the semester and it will be important for you to remember and apply basic information learned early on to material covered later in the course. If there are students in the class who have a disability and need accommodation, please see me.

### **POINT BREAKDOWN:**

Lecture Exams	4 at 120 pts each
Laboratory Exams	3 at 100 pts each
<u>Assignments/Quizzes</u>	<u>TBA, 50 pts total</u>
<b>TOTAL</b>	<b>830 pts</b>

### **GRADE SCALE (out of 100% of Total):**

A $\geq$ 93-100	C = 73-76
A- = 90-92	C- = 70-72
B+ = 87-89	D+ = 67-69
B = 83-86	D = 60-66
B- = 80-82	F < 60.0
C+ = 77-79	

## **IMPORTANT DATES TO REMEMBER:**

<b>Lecture Exam 1</b>	<b>Sept. 26:</b> all sections, 8:00-9:15 in SCI A121
<b>Lab Exam 1</b>	<b>Oct. 2:</b> Sect 15, 6:00 – 7:00 p.m., Sect 16, 7:00-8:00 p.m., Sect 17, 8:00-9:00 p.m in room TNR 351
<b>Lecture Exam 2</b>	<b>Oct. 24:</b> all sections, 8:00-9:15 in SCI A121
<b>Lab Exam 2</b>	<b>Nov. 6:</b> Sect 15, 6:00 – 7:00 p.m., Sect 16, 7:00-8:00 p.m., Sect 17, 8:00-9:00 p.m in room TNR 351
<b>Lecture Exam 3</b>	<b>Nov. 21:</b> all sections, 8:00-9:15 in SCI A121
<b>Lab Exam 3</b>	<b>Dec. 11:</b> Sect 15, 6:00 – 7:00 p.m., Sect 16, 7:00-8:00 p.m., Sect 17, 8:00-9:00 p.m in room TNR 351
<b>Lecture Exam 4</b>	<b>Dec. 19:</b> all sections, 8:00-10:00 in SCI A121

## **ATTENDANCE:**

Attendance for lecture and lab is mandatory. Make-up exams will only be provided in the case of serious illness (requiring a physician's note) or the death of a relative. However, absences relating to a student's religious beliefs will be accommodated according to UWS 22.03, providing the student notifies the instructor within the first 3 weeks of the beginning of class regarding the specific dates she/he will be absent.

## **CLICKERS:**

This class uses "Clickers" to do interactive polling. You are required to lease a clicker for \$8 for the semester. This semester lease fee will be automatically added to your UWSP student bill. Clickers are available through UWSP's Help Desk, located in the basement of the LRC, room 023. For hours: <http://www.uwsp.edu/IT/helpdesk/index.aspx>. You will need your UWSP Student ID to lease a clicker.

Important: Your clicker may be used in any class that requires clickers for the semester.

Returning clickers: Clickers must be returned to either the UWSP's IT Help Desk before the end of finals. Students with unreturned clickers will be billed a late fee and/or may be billed the replacement cost of the clicker.

### **UWSP COMMUNITY BILLS OF RIGHTS AND RESPONSIBILITIES:**

UWSP values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, we have developed a set of expectations for all students and instructors. This set of expectations is known as the *Rights and Responsibilities* document, and it is intended to help establish a positive living and learning environment at UWSP. Click here for more information:

<http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilities.aspx>

### **ACADEMIC INTEGRITY:**

Academic integrity is central to the mission of higher education in general and UWSP in particular. Academic dishonesty (cheating, plagiarism, etc.) is taken very seriously. Don't do it! The minimum penalty for a violation of academic integrity is a failure (zero) for the assignment. For more information, see the UWSP "Student Academic Standards and Disciplinary Procedures" section of the *Rights and Responsibilities* document, Chapter 14, which can be accessed here:

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/SRR-2010/rightsChap14.pdf>

### **STUDENTS WITH DISABILITIES:**

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. Students with disabilities should contact the Office of Disability Services during the first two weeks of the semester in they wish to request specific accommodations. For more information about UWSP's policies, check here:

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyInfo.pdf>

If you have a disability and require classroom and/or exam accommodations, please register with the Disability and Assistive Technology Center and then contact me at the beginning of the course. I am happy to help in any way that I can. For more information, please visit the Disability and Assistive Technology Center, located on the 6th floor of the Learning Resource Center (the Library). You can also find more information here:

<http://www4.uwsp.edu/special/disability/>

### **EXTRA HELP:**

Tutors are available to help students with lecture and lab material. Interested students should contact the Tutoring-Learning Center.