

**BI 213 – PRINCIPLES OF BIOLOGY
SPRING 2013**

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Office Hours:	M 2-3:30, Th 2:30-4, F 10-12	M 10-11:50, W/F 10-10:50, W 1-1:50

Course Objectives:

This is the third term of a three-term Principles of Biology series for those students looking to pursue a major or minor in biology. The goal of this series is to gain a general understanding of the various disciplines composing the field of biology. In particular, we will focus this term on 1) understanding the anatomical features and physiological processes that allow for plants and animals to survive and reproduce in the natural environment, and 2) the ways in which organisms interact with each other and their environment at the individual, population and ecosystem scale.

Lectures:

Monday, Tuesday, Wednesday, and Friday at 8:00 – 8:50 am OR 9:00 – 9:50 am
Room 103 – Natural Sciences Building

**Prior instructor permission is required to attend a different section than that in which you are enrolled.*

Laboratories:

Tuesday 10:30am – 1:20pm; Tuesday 2:00 – 4:50pm; Thursday 8:00 – 10:50am; Thursday 11:30am – 2:20pm; Thursday 3:00 – 5:50pm

**Prior instructor permission is required to attend a different section than that in which you are enrolled.*

Lecture Text:

Biology by Campbell & Reese (9th Edition) – Available at WOU Bookstore

Laboratory Text:

Pearson Custom Library for the Biological Sciences by Morgan & Carter – Available at WOU Bookstore

Grading:	Exam I	70 points (14%)
	Exam II	70 points (14%)
	Exam III	70 points (14%)
	Final	140 points (28%) (70 cumulative; 70 covering last 2-3 weeks of material)
	Laboratory	<u>150 points</u> (30%)
		500 points*

* More points may be added at the discretion of the instructor (e.g., pop quizzes, lecture summaries, in-class problems sets, etc. and may account for up to 6% of final course grade).

Final grades will be calculated on a percentage basis from total possible points using the following scale:
A = 90 – 100%; B = 80 – 89%; C = 70 – 79%; D = 60 – 69%; F = < 60% and/or missing three or more laboratories.

Grade change requests:

Requests for a change of grade must be made within one week of receiving the graded work. The request should be made in writing via email. The email must explain why, with specific reference to your work and the relevant biological topic, you feel a grade change is appropriate.

Online Component

This course has an online component. Lecture slides and other resources will be posted for you to access electronically. Class announcements may also be posted and your grades may be made available to you. It is your responsibility to visit the site on a regular basis to download materials and receive updates.

Moodle Online lecture & lab site: <http://online.wou.edu> - BI 213 Lecture/Lab

Computer/Technology problems do not constitute an excuse for being uninformed, missed or late work; plan ahead and don't procrastinate so you can contact TRC (see Resources below) for assistance in a timely fashion if an issue arises.

Absences:

ALL STUDENTS ARE EXPECTED TO TAKE THE EXAMS ON THE DAYS ANNOUNCED. If you miss an exam or will be missing an exam, contact the instructor as soon as possible:

- If the absence is EXCUSED, you will be able to make up the exam for the full points possible. However, only the following will be considered an excusable absence:
 1. A university-related absence (i.e., game, concert tour, fieldtrip, etc.). You *must* contact the instructor and make exam arrangements prior to the event for the absence to be excused.
 2. A personal issue (i.e. illness, death in family, etc.) that is excused by the Office of Student Affairs (503-838-8221 or x8-8221). The Office of Student Affairs will contact your instructors via email, letting them know of the situation.
 3. Three or more exams scheduled on the same day (that's just cruel...).
- If the absence is UNEXCUSED, you will be able to make up the exam but you will receive a 10% penalty on the overall exam score for each day the exam is not completed. The exam you take may be different from that given to the class. Once an exam is handed back, no make-up exams will be given.

Laboratory attendance is mandatory. ALL STUDENTS ARE EXPECTED TO ATTEND THE LABORATORY SECTION FOR WHICH THEY ARE ENROLLED. Three or more unexcused absences and/or failing the laboratory portion of the course will result in a failing grade for the entire course. Reasons for excused lab absences are the same as for exams and similarly must be arranged in advance or documented and excused by the Office of Student Affairs. Please note that laboratory materials will be cleaned up and may not be available for make-ups after 6 pm on Thursday of each week. The lab is accessible for individual or group study outside of class time between the hours of 8:00 am – 5:00 pm. When accessing the lab outside of class time, all laboratory policies are in effect (no eating/drinking, etc.).

Academic Dishonesty:

You are expected to be honest and ethical in your academic work. Your performance on quizzes and exams must represent your own knowledge. Any written or verbal communication with other students (including via cell phone) during a quiz or exam is considered cheating. The use of notes, text-messaging during a quiz, use of electronic devices that have not been pre-approved, and looking at other student's test papers will be regarded as cheating. **Plagiarism** refers to the use of original work, ideas, or text that are not your own. This includes cut-and-paste from websites, copying directly from texts, and copying the work of others. It also includes use of papers purchased online or turning in a paper written by someone else as your own work. If you submit any work that incorporates the ideas or words of others, you must cite their work (in-text indications of where the material came from and a detailed reference list at the end). If you are directly quoting any portion of a book or article, you must use quotation marks and citations. Be aware that an assignment comprised mostly of quotations does not constitute the quality of work that is expected of a university student. You must learn to synthesize ideas for yourself and explain them in your own words.

All forms of cheating, including plagiarism and copying of work will result in an immediate zero for the exam, quiz, or assignment. In the case of copying, all parties involved in the unethical behavior will earn zeros. Cheating students will be referred to the Student Conduct Committee for further action. You also have the right to appeal to the Student Conduct Committee.

Lab Participation

You should arrive to class prepared to do the lab procedures, which includes bringing your laboratory text or online laboratory handout. You are expected to demonstrate that you have read carefully through all laboratory materials before coming to lab. Before you depart you need to ensure that you have cleaned up your workstation. If you are late to lab or leave early, if you are engaged in any non-lab activities, if you do not follow directions or demonstrate unsafe behavior, or if you fail to clean up you may lose laboratory points.

Students with Disabilities:

It is necessary for students seeking individualized accommodations to contact the Office of Disabilities Services (ODS) for proper documentation. ODS is located in the Academic Programs and Support Center (APSC), Suite 405 (503-838-8250; <http://www.wou.edu/student/disability>). It is the responsibility of the student seeking accommodations to work with their instructor and ODS to request and schedule accommodations with ample notice *before* the dates on which accommodations are needed.

Additional Resources:

- The Office of Student Affairs can provide assistance to students coping with such issues as illness or family emergency, including helping to notify your professors of absence. 503-838-8348.
- Students with a documented disability that may require assistance should contact the Office of Disability Services for coordination of your academic accommodations. The Office of Disability Services is located in APS 405, phone/TTY is 503-838-8721, www.wou.edu/student/disability
- Veterans and active duty military personnel with special circumstances are welcome and encouraged to communicate these, in advance if possible, to the instructor. Veterans seeking assistance with educational benefits can visit WOU's Veteran's benefits page at http://www.wou.edu/provost/registrar/veteran_benefits.php for forms, links, and contact information for WOU's Veteran's representative.
- The Academic Advising and Learning Center offers academic tutoring and study skills assistance. The Academic Advising and Learning Center is located in APS 401, 503-838-8428 phone/TTY or 503-838-8501, www.wou.edu/provost/aalc/learning
- The Writing Center offers assistance with writing. The Writing Center is located in APS 301, 503-838-8286, www.wou.edu/las/humanities/writingctr
- The Technology Resource Center (TRC) provides technology support and resources to faculty, staff and students. The Technology Resource Center is located in ITC 204, 503-838-8965, www.wou.edu/trc
- Library and Media services offers assistance with research and information retrieval. Ask for assistance at the reference desk in Hamersly Library, phone/TTY 503-838-8418.

BI 213 - TENTATIVE SCHEDULE

Week	Topic	Faculty	Chapter	Laboratory
1	Plant Primary Structure / Growth “ “ Resource Acquisition / Transport	AH	35 36 & 37.2	No lab!
2	“ “ “ Angiosperm Reproduction		38	Plant Anatomy
3	“ Plant Signaling “ EXAM I		39	Physiology of Plant water management
4	Population Ecology “ Community Ecology “		52, 53 54	Ecology
5	Ecosystem Ecology “ “ Animal Nutrition	↓ MB	55 41	Lab Practical Ecology & Plant Anatomy/Physiology
6	EXAM II (<i>excludes MB 1st lecture</i>) “ Circulation and Gas Exchange “		42	Vertebrate Anatomy I (Fetal Pigs)
7	“ Control of Internal Environment “ Endocrine System		44 45	Vertebrate Anatomy II (Fetal Pigs)
8	“ “ Animal Reproduction EXAM III		46	Vertebrate Anatomy III (Fetal Pigs)
9	MEMORIAL DAY – no class “ Nervous system “		48/49	Open Lab Academic Excellence Showcase
10	“ Sensory and Motor Systems “ “	↓	50	Lab Practical Vertebrate Anatomy
Finals	Wednesday June 12th 8-9:50 am Friday June 14th 8-9:50 am			