

BIOL 111 Sec 01L2, 01L3 Principles of Biology II,

Fall 2021,

Lectures MWF, 1-2p CBB 135. Labs Tuesday 9a-noon CBB 130

Instructor: Justin T. Sipiorski

Office: TNR 437 (400, 400a, 401, 403, 412, 414)

Phone: 715-346-2275

email: jsipiors@uwsp.edu ****E-mail is the best means of communication****

Office Hours: Monday 2-4p CBB 130; Tuesday 12-1p CBB 130; Friday 11-Noon TNR 437/412; or by appointment

General Course Description. Continuation of Biology 110. Fundamental principles of biology, including the evolutionary history and patterns of diversity of life, plant and animal systems, and ecology. Development of scientific skills to form hypotheses, analyze and interpret data, evaluate biological literature, and relate biology to society.

Objectives. To introduce students to the fundamental principles of evolutionary history, biodiversity, organismal form and function, ecology, and scientific investigation upon which other courses will build; to introduce laboratory techniques and procedures, hypothesis testing, and use of data to answer questions in science; and to make connections between biological concepts and society.

Learning Outcomes:

You will be able to:

1. Summarize basic patterns of biological diversity.
2. Outline emergent properties and processes at the organizational levels of organs, organ systems, organisms, populations, communities, ecosystems, and the biosphere.
3. Apply the scientific method and techniques to answering biological questions, using formal practices of observation, experimentation, hypothesis testing, quantitative analysis and mathematical reasoning.
4. Evaluate, synthesize, and communicate biological information from the scientific literature.
5. Recognize the relevance of organismal diversity, systems biology, and ecology to social decision-making, their lives, and society.

Prerequisites. Either BIOL 110 or both BIOL 101 and concurrent registration in BIOL 99; and either (or concurrent registration) CHEM 105 or CHEM 117

Text. (available at text rental). Urry, J.A., M.L. Cain, S.A. Wasserman, P.V. Minorsky, J.B. Reece, N.A. Campbell. 2017. Campbell, Biology. 11th Ed. Pearson Higher Education. Hoboken NJ. 1284 pp.

Lab text (I provide on the Canvas page). Written by UWSP Biology Faculty and Staff, edited by by N. Shefferly. 2019. Principles of Biology II, Biology 111, Lab Manual A. XanEdu Publishing. Ann Arbor MI. 120pp.

Grading. Final will be based on the percentage of the total 40 points that you earned in the class rounded to ONE (tenths) decimal place based on the grading scheme in the UWSP student handbook

100-93.4% A, 93.3-90% A-

89.9-86.8% B+, 86.7-83.4% B, 83.3-80% B-

79.9-76.8% C+, 76.7-73.4% C, 73.3-70% C-

68-67% D+, 66.7-60% D

<60% F

REQUESTS FOR EXTRA POINTS WILL NOT BE HONORED.

Point Values

Three, 1-hour lecture exams (40 pts each)	120 pts
One, 2-hour final exam (minimally comprehensive)	50 pts
13 Lab meetings (10 pts each, drop lowest)	120 pts
<i>There will be numerous bonus opportunities</i>	<i>25 pts (8% of total!)</i>
TOTAL 290 pts	

Laboratory. YOU MUST DRESS APPROPRIATELY FOR LAB.

- You MUST wear shoes — not sandals, flip-flops, or similar options that do not protect your feet.
- It is recommended that you wear clothes that you won't mind getting grubby.
- Protective eyewear must be worn when handling chemicals more hazardous than water.
- FAILURE TO COMPLY WILL RESULT IN YOUR REMOVAL FROM LAB UNTIL YOU ARE PROPERLY ATTIRED.

Exam and Quiz Rules. The following rules apply to exam periods as well as quizzes.

- If you arrive late for a quiz or exam, you will not be given extra time. When the rest of the class is finished, you will need to be done.
- If you arrive so late for an exam that anyone else has finished and left, you will not be allowed to take the exam at that time. You may be able to take a make-up exam (see attendance policy below). There are no make-up quizzes.
- All exams and quizzes must be completed in black or blue ink or pencil.
- Only necessary testing materials will be allowed in the testing area (i.e., no MP3 players, tablets, phones, etc.)
- There may be multiple forms of exams and quizzes.

Attendance. YOUR COMMITMENT TO YOUR CLASSES IS AMONG THE MOST IMPORTANT THINGS IN YOUR LIFE RIGHT NOW. You are expected to attend all lecture, lab, and exam sessions. You may miss ONE lab session without explanation (most students never skip any labs). Two unexcused absences from lab will result in a 1/3 reduction in your final grade. If you will miss a class to participate in a college-sanctioned event, you must notify me in advance and complete the work, including exams, before the otherwise scheduled class or due date. Absences relating to religious beliefs will be accommodated according to UWS 22.03 (see URL below). In either case, Dr. Sipiorski must be notified within the first three weeks of class regarding the specific dates that you will be absent.

https://docs.legis.wisconsin.gov/code/admin_code/uws/22

Make-Up Exams. You must make every effort to take exams at the scheduled times. MAKE-UP EXAMS WILL BE ALLOWED IN CASES OF EMERGENCY, FOR WHICH YOU MUST PROVIDE WRITTEN DOCUMENTATION. You must make arrangements with Dr. Sipiorski within 24 hours of the exam to schedule a make-up exam within one week or you will forfeit the points.

- **E•mer•gen•cy** [i'mərjənsē] (noun): *a serious, unexpected, and often dangerous situation requiring immediate action.*
- A good rule of thumb: *If your situation wouldn't cause you to postpone your wedding, then it isn't a good reason to miss a scheduled exam.*

Academic Integrity. Any misrepresentation of your work, including plagiarism, or cheating of any kind will result in a zero (0) for that assignment. Students are encouraged to become familiar with the UWS/UWSP Student Academic Standards and Disciplinary Procedures governing student academic conduct. Information is available on the Dean of Students web site.

<https://www.uwsp.edu/dos/Pages/stu-academic.aspx>

Remember: DR. SIPIORSKI IS NOT AS DUMB AS YOU THINK HE IS.

Classroom Conduct. Student and instructor behavior should promote an environment favorable to both teaching and learning. It is disruptive to come late to class, read extra-curricular media in class, or use cell phones (and other electronic devices) during class time. Students that choose to disrespect their classmates and their instructor by disrupting lectures or labs will be asked to leave.

Disabilities. Students with disabilities are welcome and encouraged in this class. Students with disabilities should contact the Disability and Assistive Technology Center during the first two weeks of the semester if they wish to request specific accommodations.

<https://www.uwsp.edu/datc/Pages/default.aspx>

In addition to your instructor's office hours, the Writing Lab at the UWSP Tutoring-Learning Center is available to help you.

<http://www.uwsp.edu/tlc/Pages/writingReadingTutorials.aspx>