

SP20_BIOL_1140L_502_WoelberH

Biology 1140L: Biology for Health-Related Sciences Lab (1 credit hour)
Wednesday 12:00 PM - 2:45 PM, Valencia Arts & Sciences 135 Laboratory
UNM Valencia Campus Semester: Spring 2020 CRN #: 53501 section 502
Office Hours: Wed 2:45pm-3:15pm Cubicle 9 Arts and Sciences Rm 113
Instructor: Holly Woelber M.S.
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Course Description: This course is an overview of biological principles and laboratory techniques important for health science majors and non-majors. Credit is not applicable toward a biology major or minor.

Course Book: There is no lab manual for this class. However, the labs you will be conducting will be provided to you in advance on the course webpage: learn.unm.edu in the "lab exercises" section. It is your responsibility to print these labs out before class and have them ready at class time. You are required to do so for each lab (with the exception of the first lab and the exam weeks).

Student Learning Objectives:

- 1.) Students will display an understanding of the scientific method.
- 2.) Students will show the ability to analyze and interpret experimental data.
- 3.) Students will exhibit familiarity with basic cellular structure and anatomy.
- 4.) Students will demonstrate competency with basic microscopy.

Attendance: Attendance is required for all classes. Labs cannot be made up. Students may be dropped from the class after 3 absences. Attendance will be taken via a daily sign-in sheet. Excessive tardiness (greater than 10 minutes) will be counted as an absence.

Withdrawal: If you drop the course after the drop deadline, you will receive a grade of 'W'.

Missed quiz policy: Missed quizzes cannot be made up. Due to the practical nature of these, they can only be set up once.

Students with disabilities: Qualified students with disabilities should see me or the testing center as soon as possible so we can meet your needs suitably and quickly.

Title IX: In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the department of Education (see pg 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct, and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX coordinator at the Office of Equal Opportunity (Oeo.unm.edu) For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

Citizenship and/or Immigration Status: All students are welcome in this class regardless of citizenship, residency, or immigration status. Your professor will respect your privacy if you choose to disclose your status. As for all students in the class, family emergency-related absences are normally excused with reasonable notice to the professor, as noted in the attendance guidelines above. UNM as an institution has made a core commitment to the success of all our students, including members of our undocumented community. The Administration's welcome is found on our website: <http://undocumented.unm.edu/>.

Quizzes: There will be three types of quizzes: pre-class, at class time and post-class. The pre-class and post-class quizzes will be given online at learn.unm.edu. These will require you to read about the lab BEFORE you come to class and to take a short quiz about what you have read. The post-quiz will assess your knowledge after you have completed the lab. The class time quiz will be given during class as a hand out.

Exams: Two practical exams will be administered during the term; one at mid-term and one final. They will be a mixture of both practical and written questions. The final will not be cumulative.

Course Webpage: The course webpage can be found by logging in to **learn.unm.edu**. There, I will post course documents like the syllabus, pre- and post-class quizzes, and other relevant course material. Any course announcements will be made on this webpage, so be sure to check it regularly.

Laboratory Policies:

- 1.) No food or drink is allowed in the lab at any time.
- 2.) No chewing gum in the lab.
- 3.) All persons in the lab must wear closed toe shoes. No sandals.
- 4.) Absolutely no horseplay will be tolerated.
- 5.) Come on time and prepared for the lab activity and quiz for that day.
- 6.) Treat all lab equipment carefully and with respect

Course Grading Policy: Exams (two)= 33%, Pre-and post quizzes=33%, In class quizzes=33%

Date Lab Exercise:

Date			
1-22-20	No Lab		
1-29-20	Scientific Method/Epidemiology		
2-5-20	Biological Molecules		
2-12-20	Microscopy and Cell Biology		
2-19-20	Diffusion and Osmosis		
2-26-20	Enzymes I		
3-5-20	Enzymes II		
3-12-20	Midterm practical exam		
3-18-20	Spring Break		
3-26-20	Mitosis		
4-1-20	Genetics I		
4-8-20	Genetics II		
4-15-20	Cellular Respiration		
4-22-20	Fetal Pig I		
4-29-20	Fetal Pig II		
5-6-20	Final Practical Exam		