

# Biology 124: Biology for Health-Related Sciences Lab

## UNM Valencia Campus

**Semester:** Fall

**Year:** 2018

**CRN #:** 22769 section 501

**Credits:** 1 credit hour

**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.*

**Instructor:** Dr. Ben Flicker

**Contact Information:** My office is AS132. My phone number on campus is 505-925-8726. My email address is benflicker@unm.edu. Aside from my office hours and immediately before and after class, email is the best way to contact me.

**Office hours:** Mondays 10:00-12:00, Tuesdays 11-12 & 1-2, Wednesdays 1:00-3:00, Thursdays 1:00-2:00, or by appointment.

### **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](http://Oeo.unm.edu)) For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

**Quizzes:** 5 quizzes will be given throughout the term. These will be worth 25 points each. They will cover recent lab activities and be a mixture of practical and written elements. The lowest quiz grade will be dropped.

**Exams:** 2 practical exams will be administered during the term. They will be a mixture of both practical and written questions. Exam study guides will be provided for both. The final will not be cumulative.

**Course Webpage:** The course webpage can be found by logging in to [learn.unm.edu](http://learn.unm.edu). There, I will post course documents like the syllabus 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.) Absolutely no horseplay will be tolerated.
- 4.) Come on time and prepared for the lab activity and quiz for that day.
- 5.) Treat all lab equipment carefully and with respect

**Course Grading Policy:** Lecture grades will be based on the percentage of points earned (100% or higher = A+, 99-91% = A, 90% = A-. 88-89% = B+, 87-81% = B, 80% = B-, 79-78% = C+, 77-71% = C, 70% = C-, 69-68% = D+, 67-61% = D, 60% = D-, < 60% = F.

- 98 points: Participation (14 lab exercises @ 7 points each)
- 100 points: Quizzes (4 quizzes @ 25 points each)
- 100 points: Midterm Practical Exam
- 100 points: Final Practical Exam
- 2 points: Free!
- = 400 Total points

Date	Lab Exercise	Quiz:
8/20/18	Course Intro/ Scientific Method	
8/27/18	Organic molecules	
9/3/18	Labor Day- No Class	
9/10/18	Microscopy & Cell Biology	Quiz 1
9/17/18	Diffusion and Osmosis	
9/24/18	Enzymes	Quiz 2
10/1/18	Molecular Genetics & Mitosis	
10/8/18	<b>Midterm Practical Exam</b>	Quiz 3
10/15/18	Cellular Respiration	
10/22/18	Meiosis and Genetics	
10/29/18	Human Genetics	Quiz 3
11/5/18	Tissues and Organs	
11/12/18	Cardiovascular System	Quiz 4
11/19/18	Fetal Pig	
11/26/18	Fetal Pig	Quiz 5
12/3/18	<b>Final Practical Exam</b>	