

# Biology 124L: Biology for Health-related sciences/non-majors Lab

## UNM Valencia Campus

**Semester:** Fall

**Year:** 2017

**CRN #:** 40987 section 505

**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:** 10:30-12:00 & 1:00-2:30 Mondays, 10:30-12:00 Tuesdays, 11:00-12:00 & 1:00-2:30 Wednesdays, or by appointment.

**Textbook:** *Thinking About Biology: An Introductory Laboratory Manual*. Bres & Weisshaar (2016) 5th edition. Pearson Education.

### **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 animal structure and anatomy.
- 4.) Students will demonstrate competency with basic microscopy.

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

**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>

**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 as well as the learning objectives, exam study guides, and other relevant course material.

**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)
- 200 points: Exams (2 exams @ 100 points each)
- 2 points: Free!
- = 400 Total points

Date	Lab Exercise	
8/24/17	#1 Scientific Method	
8/31/17	#7 Organic Molecules	
9/7/17	#2 Microscopy & #3 Cell Biology	Quiz 1
9/14/17	#4 Diffusion and Osmosis	
9/21/17	#8 Enzymes	Quiz 2
9/28/17	#9 Molecular Genetics & #10 Mitosis	
10/5/17	<b>Midterm Practical Exam</b>	
10/12/17	<b>Fall Break: No Class</b>	
10/19/17	#11 Meiosis & Genetics	
10/26/17	#12 Human Genetics	Quiz 3
11/2/17	#14 Functions of Tissues and Organs	
11/9/17	#15 Cardiovascular System	Quiz 4
11/16/17	#16 Fetal Pig I	
11/23/17	<b>Thanksgiving: No Class</b>	
11/30/17	#14 Fetal Pig II	Quiz 5
12/7/17	<b>Final Practical Exam</b>	