

# BIOL 2225L – Anatomy & Physiology II Lab

Spring 2021

Tuesday – 10:30-1:15 – H113

Dr. Sanchez-Dinwiddie

Welcome to Anatomy & Physiology II Laboratory! This lab is designed to accompany BIOL 2225, the lecture course of Anatomy & Physiology. While both courses cover A&P, in general, the lab will have more anatomy than physiology. We will meet in lab every week.

## Student Learning Objectives

1. Apply the scientific method correctly.
2. Collect, analyze, and interpret scientific data.
3. Use laboratory equipment, such as a microscope, correctly and safely.
4. Identify the anatomical components of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, illustrations, or cadaver specimens.
5. Describe the functional characteristics of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, illustrations, or cadaver specimens.
6. Analyze the physiological processes of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.
7. Analyze the physiological processes of fluid and electrolyte balance and acid base balance in the human body.
8. Analyze heredity and genetic control.

### Talk to Me Hours

*Tuesdays: 1:30 – 6:30*

*Or: By Appointment*

### Contact Information

*Email: [MEIASANO@UNM.EDU](mailto:MEIASANO@UNM.EDU)*

*Office: H100A*

*Phone: 925-8875*

## Course Policies

**Attendance.** Attendance is necessary for you to participate in lab as well as fully understand the material presented. This means getting to class on time and completing the exercises covered. If you are more than 2 minutes late, you will be marked absent. Attendance is a means of contact tracing for coronavirus exposures. I will be very diligent about taking attendance.

**Cell phones.** As a courtesy to the class, please turn off all cell phones. Any sight of your cell phone during exams and quizzes will result in automatic fail for that assignment.



**Cheating.** There has been a history of cheating in this course. You will be docked significantly in your final course grade and/or reported to the Dean of Instruction if you are caught. If I don't catch you, someone else will.

**Coronavirus safety.** You have the ability to prevent the spread of COVID-19 and to preserve the health of fellow students, your instructor, staff and the community by following UNM health protocols. The UNM Provost Administrative Directive on Mandatory Student Face Covering and Symptom Reporting of July 9, 2020 requires that all students on UNM-Main and UNM branch campuses wear face masks in the face-to-face classroom and on campus unless they have a specific mask accommodation (confidentially documented with the Accessibility Resource Center). UNM Provost Administrative Directive is consistent with Governor Lujan Grisham's Public Health Emergency Order as amended, and the Public Health Order of the New Mexico Health Secretary. It also requires daily participation in symptom screening through covidscreen, which will be sent via UNM e-mail. You will be required to wear a mask at all times. You must sit as far as possible from your classmates. Do not sit directly across from a classmate. Wash your hands as you enter class. Wash your hands after you touch materials. And wash your hands before you leave. After you touch a model spray the model with ethanol or wipe it using spray and wipes.

**Family Educational Rights and Privacy Act (FERPA).** The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. FERPA does not allow disclosure of grades over email as it is not possible to authenticate identity through this medium. FERPA does not allow me to discuss your grade with anybody but yourself.

**Financial Assistance.** It is your responsibility to know policies for funding your education. It is your responsibility to maintain funding for your education.

## Course Policies Continued

**Food and Drink.** There will be NO Food or Drink in the lab room. Water bottles are considered a drink.

**Make-up Exams/Quizzes.** There are no make-up exams. There are no make-up quizzes.

**Students with disabilities.** If you have documentation describing academic adjustments you are eligible for, please see me to ensure your needs are met in a timely manner.

**University Policy.** You are responsible for knowing all university policies in the UNM Student Handbook – The Pathfinder, <https://pathfinder.unm.edu/>. This includes policy on academic misconduct, plagiarism, and grade options. You are responsible for maintaining your scholarship or funding for your education.

➤ **Withdrawal.** Students cannot automatically withdraw after Friday, April 16<sup>th</sup>.

## Required Learning Resources

**Lab Manual:** Anatomy & Physiology: The Unity of Form and Function Laboratory Manual by Wise, 2021, 9<sup>th</sup> edition. McGraw Hill Publisher.

**Anatomy & Physiology Revealed:** You will also need access to *Anatomy & Physiology Revealed (APR)*. You will access to APR through McGraw-Hill Connect.

**UNM Learn.** All materials for this class will be distributed through UNM Learn ([learn.unm.edu](http://learn.unm.edu)).

## Course Grading Policy

<b>APR in Connect (10/11)</b>	<b>20%</b>
<b>In-class Quizzes (8/9)</b>	<b>30%</b>
<b>Midterm Exam</b>	<b>20%</b>
<b>Final Exam</b>	<b>30%</b>

Due to the pandemic, grading may change.

Due to the pandemic, this schedule may change drastically.

## Weekly Schedule

Date	In-class Quiz	APR*	Exercise
January 19			Introduction - ZOOM
January 26		APR #1	#23 Endocrine System
February 2	Quiz #1	APR #2	#24 Blood #25 Blood Tests and Blood Typing
February 9	Quiz #2	APR #3	#26 Anatomy of the Heart #27 Electrical Conductivity of the Heart
February 16	Quiz #3	APR #4	#29 Blood Vessels 1
February 23	Quiz #4	APR #5	#30 Blood Vessels 2
March 2	Quiz #5	APR #6	#31 Lymphatic System #32 Blood Vessels and Blood Pressure
March 9			Midterm Exam
March 16			Spring Break
March 23		APR #7	#33 Anatomy of the Respiratory System #34 Respiratory Physiology
March 30	Quiz #6	APR #8	#36 Urinary System
April 6	Quiz #7	APR #9	#38 Anatomy of the Digestive System #39 Digestive Physiology
April 13	Quiz #8	APR #10	#40 Male Reproductive System
April 20	Quiz #9	APR #11	#41 Female Reproductive and Early Development
April 27			
May 4			Final Exam

\*Anatomy and Physiology Revealed