

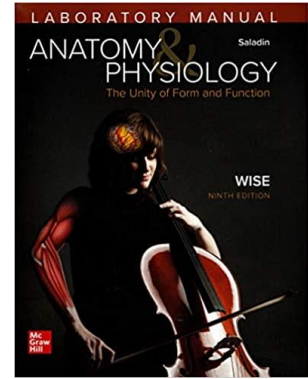
**The University of New Mexico Valencia Campus  
Fall 2022**

**Anatomy & Physiology I Laboratory  
BIOL 2210L**

**Tuesday 10:30-1:15 - H113  
Victor French M.S.**

## Welcome

Welcome to Anatomy & Physiology I Laboratory! This face-to-face lab is designed to accompany BIOL 2210, the lecture course for Anatomy & Physiology. While both courses cover A&P in general, the lab will more heavily emphasize anatomy and the lecture will more heavily emphasize physiology.



## Course Description

This is the first in a series of two laboratory courses designed to introduce laboratory practices and techniques for human anatomy and physiology, from the basic cell structure through the organ system level; specifically the integumentary, skeletal, muscle and nervous systems.

### Where's Mr. French?

Email: [VFRENCH@UNM.EDU](mailto:VFRENCH@UNM.EDU)

Phone: 925-8568

Office: Learning Resource Center, Rm  
125

### Drop-in Hours

*Mondays 3-4 pm*

*Thursdays 8-10 am*



## Student Learning Objectives

By the end of this course you will be able to....

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. Analyze the structure of cells, cell membranes, and cell organelles with respect to their respective physiological roles.
5. Identify the anatomical components of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, and illustrations.
6. Describe the functional characteristics of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, and illustrations.
7. Analyze the physiological processes of the integumentary, skeletal, muscular, nervous systems and the body's senses.

## 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. Lab topics/assignments will not be repeated to accommodate individual students.

**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. Absolutely under no condition is a cell phone allowed in the cadaver laboratory.



**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.

**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.

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

**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. If you miss an exam, you will earn a "o" for that exam. Make-up quizzes will not be given. A missed quiz will also earn a "o" score. Your lowest quiz grade will not count against your final grade.

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



## Course Policies Continued

**University Policy.** You are responsible for knowing all university policies that are 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.

**CANVAS.** Supplemental materials for this class will be distributed through Canvas (<https://canvas.unm.edu>). You are responsible for all material distributed here. The due dates and due times are strictly enforced.

- **Withdrawal.** Students cannot automatically withdraw after Friday, September 9<sup>th</sup>. The grade earned after this date is either a W or F.

## Required Learning Resources

**Lab Manual:** *Anatomy & Physiology: The Unity of Form and Function Laboratory Manual* by **Wise, 9<sup>th</sup> edition**. McGraw Hill Publisher. You will also need access to *Anatomy & Physiology Revealed*. You will access to APR through McGraw-Hill Connect.

## Course Grading Policy

**Quizzes will be during class.** There are eight planned quizzes and your lowest quiz grade will be dropped. No “makeup” quizzes will be allowed.

|                                      |
|--------------------------------------|
| Attendance – 10%                     |
| “Connect” Pre-lab assignments – 10%  |
| In-Class Quizzes (7 out of 8) – 30%  |
| “Connect” Post-lab assignments – 10% |
| Midterm – 20%                        |
| Final Exam – 20%                     |

# **Cadaver Lab**

## Expectations

1. TWO CADAVERS WILL BE USED THIS SEMESTER.
2. CADAVER ANATOMY WILL BE PINNED FOR QUESTIONS ON THE MIDTERM AND FINAL.
3. DURING CLASS WE WILL BE REVIEWING IN GROUPS. NO MORE THAN SIX STUDENTS AT A TIME.
4. ASK IF YOU NEED HELP WITH ANYTHING.
5. YOU ARE RESPONSIBLE TO WRAP AND UNWRAP CADAVERS.

## General Rules

1. EXCESS FLUIDS – ASPIRATE USING LINES ON DOWNDRAFT TABLES.
2. MOLD- CHECK AND REPORT TO YOUR INSTRUCTOR
3. COVER INCISION LINES WITH A THIN LAYER OF GAUZE THEN SPRAY WITH WETTING SOLUTION. DON'T FORGET OLD INCISION LINES.
4. CLOSE VINYL BAG. WIPE DOWN.
5. THE LAST THING YOU DO IS DISCARD YOUR GLOVES IN THE TRASH CAN BY THE DOOR. WASH HANDS OUTSIDE. LAB COATS CAN BE REHUNG OR WASHED.

## Safety

1. CADAVERS TESTED NEGATIVE FOR HIV AND HEPATITIS.
2. HISTORY OF OTHER CONTAGIOUS DISEASE=EXCLUDED (STD, FUNGUS-RINGWORM, PARASITES-GIARDIA, PRIONS, ETC.).
3. NOT 100% SAFE.
4. PRESERVATIVES ARE IRRITATING TO SKIN AND MUCOUS MEMBRANES. WEAR PPE AT ALL TIMES. (GLOVES AND LABCOAT ARE MANDATORY – WE WILL PROVIDE THESE).
5. TIE BACK LONG HAIR. NO OPEN TOED SHOES. ROLL BACK LONG SLEEVES.
6. TAKE AS LITTLE AS POSSIBLE IN. REMOVE NOTHING.
7. USE EYEWASH AT THE SINKS IF SOMETHING GETS IN YOUR EYE OR ON YOUR SKIN.
8. IF WE USE SCALPELS, USE A SCALPEL BLADE REMOVER AND PLACE ALL BLADES IN THE SHARPS CONTAINER.

## UNM COVID-19 Regulations

COVID-19 Requirements: The University of New Mexico requires that all faculty, staff, and students accessing University facilities, housing, programs, services, and activities in person be [fully vaccinated for COVID-19, subject to limited exemptions](#). Proof of vaccination and booster, or a [medical, religious, or online remote exemption](#), must be uploaded to the [UNM vaccination verification site](#). At present, UNM is not requiring masking on UNM campuses for Fall 2022 classes, with the exception of health care facilities with specific COVID-19 regulations.

If you have a positive test for COVID-19 or symptoms of COVID-19, please do not attend class in person. Communicate with me about your absence and possible make-up assignments or work. Please follow the [latest guidance from the Center for Disease Control \(CDC\) and the New Mexico Department of Health \(NMDOH\) on quarantining or isolating following a positive test for COVID](#). The current guidance requires a quarantine or isolation period of five days after a positive test or appearance of symptoms.

UNM COVID-19 requirements are subject to change relative to guidance from the New Mexico Department of Health. Thank you for keeping the Lobo community safe!

# Weekly Schedule

The web link for McGraw Hill Connect assignments can be found on Canvas Course Content Web Page.

| Week | Week of  | Lab Assignment   | Pre-Lab<br>Due at 10:15 AM on<br>date indicated | Post-Lab<br>Due at 10:15 AM on<br>date indicated |
|------|----------|--|---|--|
| 1    | 8-23-21  | Welcome/Orientation<br><br>• #2 Organs, Systems, and Organization of the Body<br><br>• #3 Microscopy |   | Due: 8-30-21                                     |
| 2    | 8-30-21  | #5 Tissues<br><br>Quiz #1  | Due: 8-30-21                                    | Due: 9-6-21                                      |
| 3    | 9-6-21   | • #6 Integumentary System<br><br>• #10 Joints<br><br>Quiz #2   | Due: 9-6-21                                     | Due: 9-13-21                                     |
| 4    | 9-13-21  | • #7 Introduction to the Skeletal System<br><br>• #8 Axial Skeleton<br><br>Quiz #3                   | Due: 9-13-21                                    | Due: 9-20-21                                     |
| 5    | 9-20-21  | # 9 Appendicular Skeleton<br><br>Quiz #4   | Due: 9-20-21                                    | Due: 9-27-21                                     |
| 6    | 9-27-21  | • # 12 Muscles of the Trunk<br><br>Quiz #5   | Due: 9-27-21                                    | Due: 10-4-21                                     |
| 7    | 10-4-21  | • # 11 Muscles of the Head and Neck<br><br>Quiz #6   | Due: 10-4-21                                    | Due: 10-11-21                                    |
| 8    | 10-11-21 | Midterm Exam   |   |  |
| 9    | 10-18-21 | • #13 Muscles of the Upper Limb  | Due: 10-18-21                                   | Due: 10-25-21                                    |
| 10   | 10-25-21 | • # 14 Muscles of the Lower Limb<br><br>Quiz #7  | Due: 10-25-21                                   | Due: 11-1-21                                     |
| 11   | 11-1-21  | • #16 Nervous Tissue, the Spinal Cord, and Spinal Nerves   | Due: 11-1-21                                    | Due: 11-8-21                                     |
| 12   | 11-8-21  | • #17 The Brain and Cranial Nerves   | Due: 11-8-21                                    | Due: 11-15-21                                    |
| 13   | 11-15-21 | • #19 Cutaneous Senses<br><br>Quiz #8  | Due: 11-15-21                                   | Due: 11-22-21                                    |
| 14   | 11-22-21 | • #20 Taste and Smell  | Due: 11-22-21                                   | Due: 11-29-21                                    |
| 15   | 11-29-21 | • #21 Eye and Vision<br><br>• #22 Ear, Hearing, and Equilibrium                                      | Due: 11-29-21                                   | Due: 12-6-21                                     |
| 16   | 12-6-21  | Final Exam   |   |  |

- **DATES AND TOPICS ARE SUBJECT TO REVISION AT THE DISCRETION OF THE INSTRUCTOR.**
- **STUDENTS WILL BE HELD RESPONSIBLE FOR THE MOST CURRENT VERSION OF THIS DOCUMENT WHICH WILL ALWAYS BE POSTED CANVAS.**