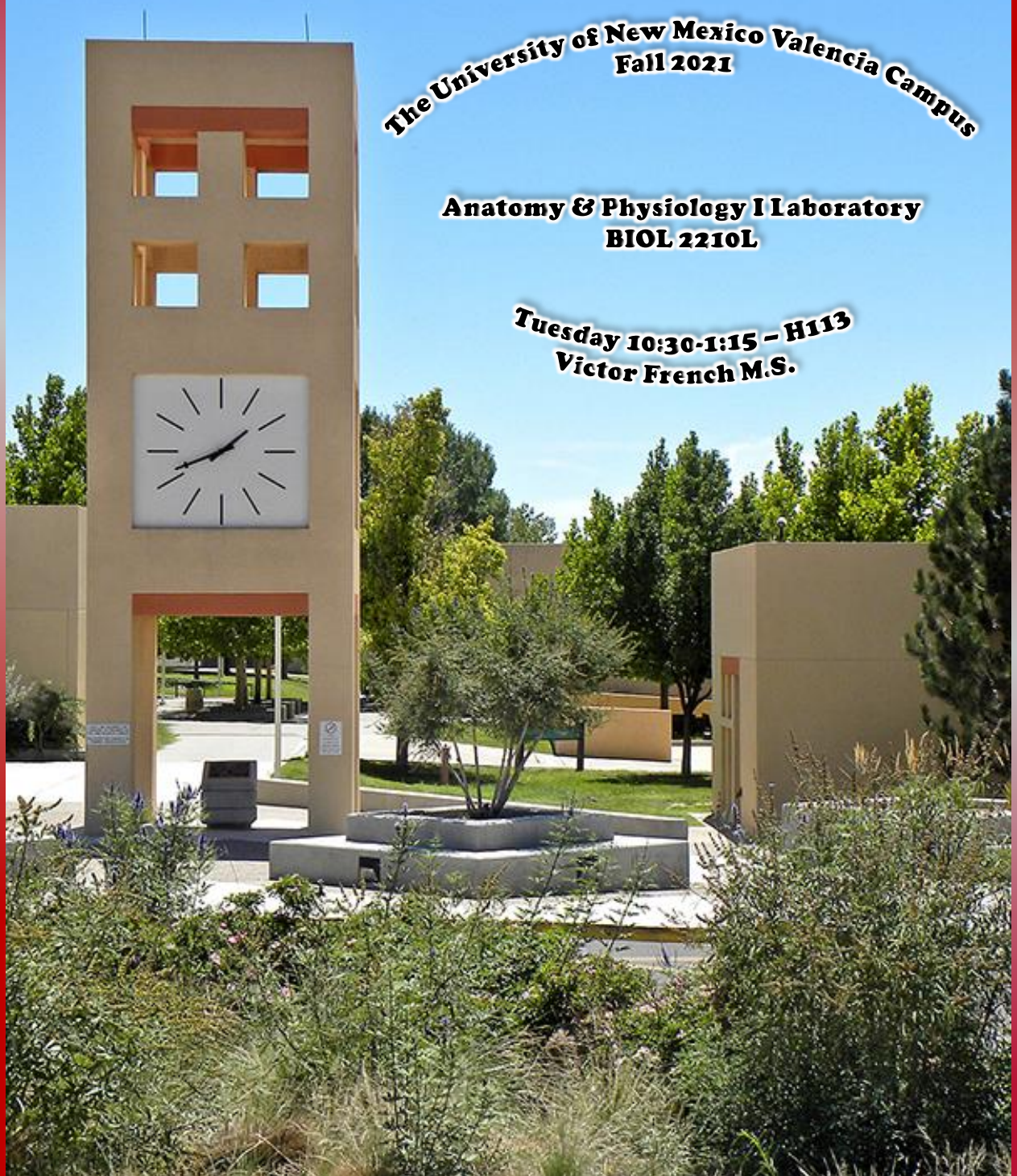




The University of New Mexico Valencia Campus
Fall 2021

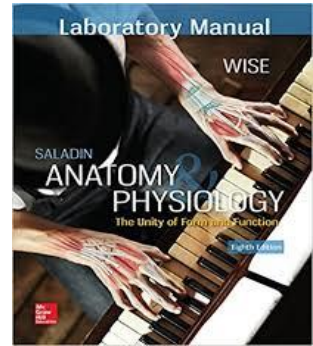
Anatomy & Physiology I Laboratory
BIOL 2210L

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



Welcome

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

Phone: 925-8568

Office: Learning Resource Center, Rm
125

Office 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.

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. Make-up quizzes will be given at the instructor's discretion.

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.

UNM Learn. All materials for this class will be distributed through UNM Learn (learn.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 10th. 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, 9th 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 nine planned quizzes and your lowest quiz grade will be dropped. No “makeup” quizzes will be allowed.

“Connect” Pre-lab assignments – 15%
In-Class Quizzes (9 out of 10) – 30%
“Connect” Post-lab assignments – 15%
Midterm – 20%
Final Exam – 20%

Cadaver Lab

Expectations

1. ONE CADAVER 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. TESTED 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

All UNM faculty, staff and students who access campus facilities, housing, programs, services and activities in person must be fully vaccinated for COVID-19, subject to limited exemptions, before September 30, 2021. For information on the requirement, free vaccine clinics, incentives, and student, employee, and instructor guidance, please refer to [Bringing Back the Pack](#).

If you are sick **STAY HOME**. Communicate your situation with your Professor/Supervisor.

- Contact the **COVID Call Center 505.515.8212** and follow any guidance related to testing and/or quarantining.
- Be aware that buildings/areas may be closed unexpectedly for cleaning/disinfecting.
- Masks are **REQUIRED** indoors and recommended outdoors when in close proximity to others.
- More information is available at Bring Back the Pack.

If we all take care of ourselves and those around us, we will have a great semester. Academic Affairs and Student Affairs are here to assist in making what the NEW NORMAL is going to be as comfortable and pleasant experience as possible for all.

Weekly Schedule

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

Week	Week of	Lab Assignment	Pre-Lab Due at 10:15 AM on date indicated	Post-Lab Due at 10:15 AM on date indicated
1	8-24-21	Welcome/Orientation • #2 Organs, Systems, and Organization of the Body • #3 Microscopy		Due: 8-31-21
2	8-31-21	#5 Tissues Quiz #1	Due: 8-31-21	Due: 9-7-21
3	9-7-21	• #6 Integumentary System • #10 Joints Quiz #2	Due: 9-7-21	Due: 9-14-21
4	9-14-21	• #7 Introduction to the Skeletal System • #8 Axial Skeleton Quiz #3	Due: 9-14-21	Due: 9-21-21
5	9-21-21	• #9 Appendicular Skeleton Quiz #4	Due: 9-21-21	Due: 9-28-21
6	9-28-21	• #12 Muscles of the Trunk Quiz #5	Due: 9-28-21	Due: 10-5-21
7	10-5-21	• #11 Muscles of the Head and Neck Quiz #6	Due: 10-5-21	Due: 10-12-21
8	10-12-21	Midterm Exam		
9	10-19-21	• #13 Muscles of the Upper Limb	Due: 10-19-21	Due: 10-26-21
10	10-26-21	• #14 Muscles of the Lower Limb Quiz #7	Due: 10-26-21	Due: 11-2-21
11	11-2-21	• #16 Nervous Tissue, the Spinal Cord, and Spinal Nerves	Due: 11-2-21	Due: 11-9-21
12	11-9-21	• #17 The Brain and Cranial Nerves Quiz #8	Due: 11-9-21	Due: 11-16-21
13	11-16-21	• #19 Cutaneous Senses	Due: 11-16-21	Due: 11-23-21
14	11-23-21	• #20 Taste and Smell Quiz #9	Due: 11-23-21	Due: 11-30-21
15	11-30-21	• #21 Eye and Vision • #22 Ear, Hearing, and Equilibrium	Due: 11-30-21	Due: 12-7-21
16	12-7-21	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 IN BLACKBOARD LEARN.