



**The University of New Mexico Valencia Campus
Spring 2023**

Anatomy & Physiology II Laboratory

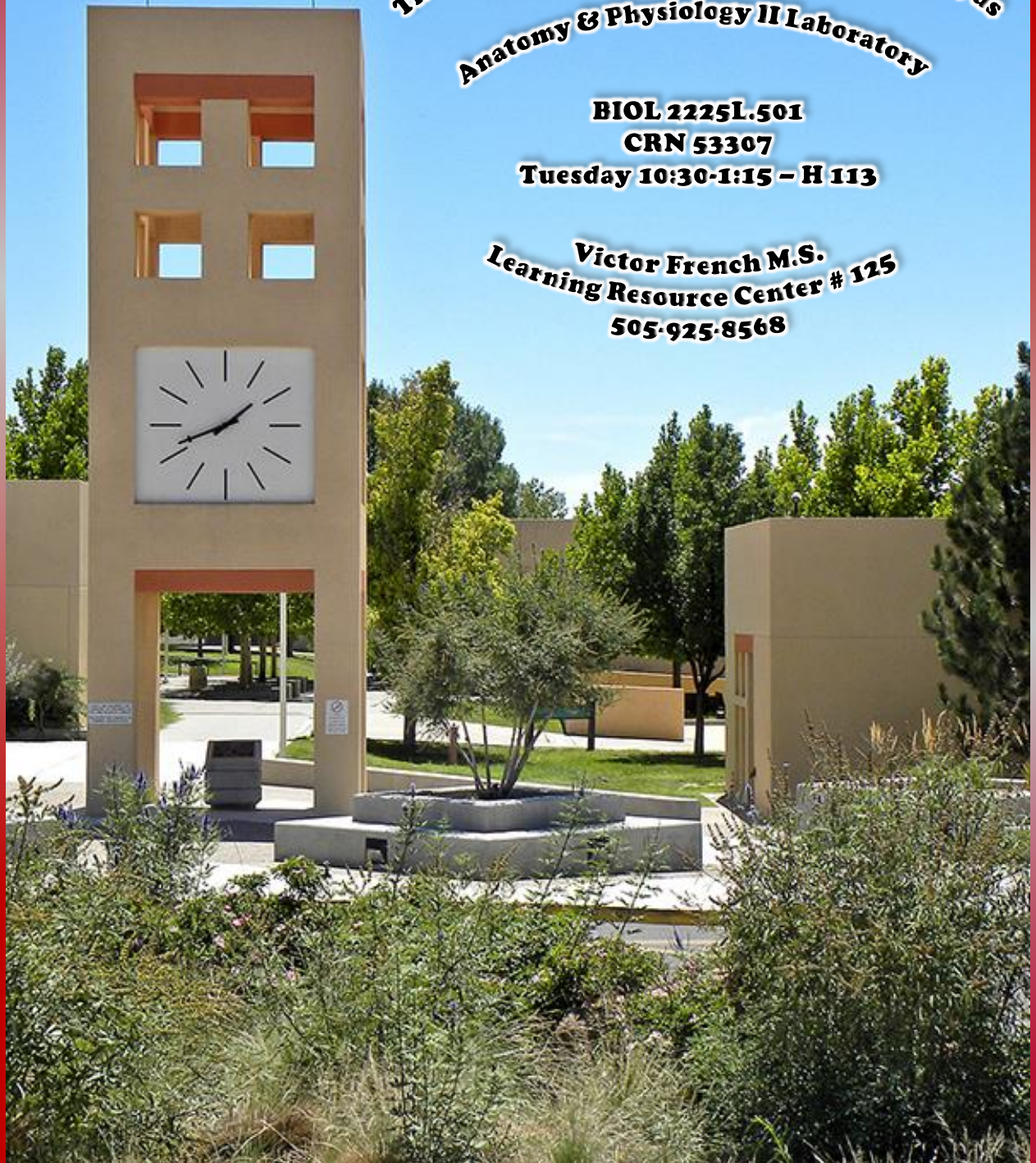
BIOL 2225L.501

CRN 53307

Tuesday 10:30-1:15 - H 113

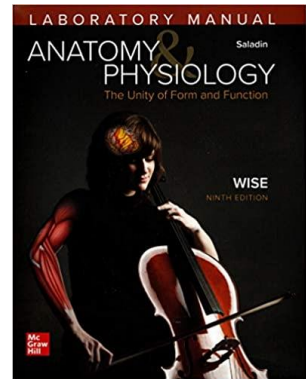
**Victor French M.S.
Learning Resource Center # 125**

505-925-8568



Welcome

Welcome to Anatomy & Physiology II Laboratory! This face-to-face lab is designed to accompany BIOL 2225, the lecture course for Anatomy & Physiology II. While both courses cover A&P, the lab will generally have more anatomy and the lecture will have more physiology.



Course Description

This is the second 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, muscular and nervous systems.

Where's Mr. French?

Email: VFRENCH@UNM.EDU

Phone: 505-925-8568

Office: Learning Resource Center, Rm

125

Drop-in Hours

Mondays 8-9 am

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. 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.

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 and abide by all 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.** However, your lowest quiz grade will be dropped and will not count against your final grade.

Accommodations. UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact Student Services (505.925.8560).

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 and funding for your education.

Title IX: In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees.” 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). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>

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

- **Withdrawal.** If a student drops the course before **February 3rd**, it will not appear on their transcript. After **February 3rd**, a “W” will be issued.

Required Learning Resources

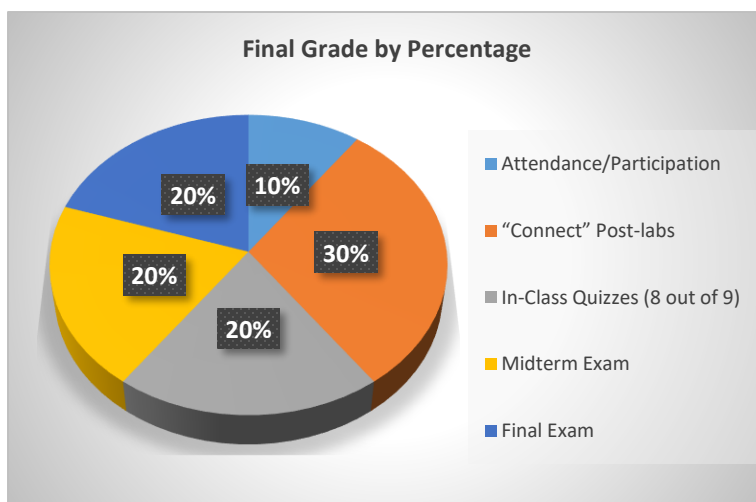
Lab Manual: *Anatomy & Physiology: The Unity of Form and Function Laboratory Manual* by **Wise, 9th edition**. McGraw Hill, Publisher. You will also need access to *Anatomy & Physiology Revealed*. You will access to APR through McGraw-Hill Connect.

- **The web link for the McGraw Hill Connect assignments can be found on the Canvas Course Content Web Page.** <https://canvas.unm.edu/>

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.

Grade Schema		
Letter Grade:	Range:	
A+	100%	to 97.0%
A	< 97.0 %	to 93.0%
A-	< 93.0 %	to 90.0%
B+	< 90.0 %	to 87.0%
B	< 87.0 %	to 83.0%
B-	< 83.0 %	to 80.0%
C+	< 80.0 %	to 77.0%
C	< 77.0 %	to 73.0%
C-	< 73.0 %	to 70.0%
D	< 70.0 %	to 60.0%
F	< 60.0 %	to 0%



Cadaver Lab

Expectations

1. A MALE AND FEMALE 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. I AM HERE TO ASSIST YOU!
5. YOU ARE RESPONSIBLE TO WRAP AND UNWRAP CADAVERS.

General Rules

1. NO PHONES/PHOTOS ALLOWED FOR ANY REASON.
2. EXCESS FLUIDS – ASPIRATE USING LINES ON DOWNDRAFT TABLES.
3. MOLD- CHECK AND REPORT TO YOUR INSTRUCTOR.
4. COVER INCISION LINES WITH A THIN LAYER OF GAUZE THEN SPRAY WITH WETTING SOLUTION. DON'T FORGET OLD INCISION LINES.
5. CLOSE VINYL BAG. WIPE DOWN.
6. THE LAST THING YOU DO IS DISCARD YOUR GLOVES IN THE TRASH CAN BY THE DOOR. WASH HANDS OUTSIDE. LAB COATS MUST 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 PERSONAL PROTECTIVE EQUIPMENT (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.

Weekly Schedule

Week	Week of	Lab Assignment	McGraw-Hill Connect Due at 10:30 AM on date indicated
1	1-17-22	Welcome/Orientation #23 Endocrine System	Due: 1-24-22
2	1-24-22	#24 Blood #25 Blood Tests and Blood Typing Quiz #1	Due: 1-31-22
3	1-31-22	# 26 Anatomy of the Heart # 27 Electrical Conductivity of the Heart Quiz #2	Due: 2-7-22
4	2-7-22	#29 Blood Vessels 1 Quiz #3	Due: 2-14-22
5	2-14-22	# 30 Blood Vessels 2 Quiz #4	Due: 2-21-22
6	2-21-22	# 31 Lymphatic System Quiz #5	Due: 2-28-22
7	2-28-22	# 32 Blood Vessels and Blood Pressure Quiz #6	
8	3-7-22	Midterm Exam	
9	3-14-22	Spring Break!	
10	3-21-22	# 33 Anatomy of the Respiratory System # 34 Respiratory System Physiology	Due: 3-28-22
11	3-28-22	# 36 Urinary System Quiz #7	Due: 4-4-22
12	4-4-22	# 38 Anatomy of the Digestive System	Due: 4-11-22
13	4-11-22	# 39 Digestive System Physiology Quiz #8	Due: 4-18-22
14	4-18-22	#40 Male Reproductive System	Due: 4-25-22
15	4-25-22	#41 Female Reproductive and Early Development Quiz #9	
16	5-2-22	Final Exam	