

Welcome

Welcome to Anatomy & Physiology! Some of you I have seen before and some of you are new. Either way I am looking forward to getting to know you. I am excited for you to be here. I am passionate about teaching and I hope this class is fun, engaging, and inspirational. My goal as a teacher goes beyond the science of anatomy and physiology. Anatomy and physiology are key topics, for they lay the foundation in which your health career will reside, but a stronger foundation involves:

- a strong work ethic,
- the ability to perform critical thinking,
- efficient oral and written communication, and
- · competent problem solving ability.

This class is not going to be easy. It will frustrate you and exhaust you at times, but I hope you realize the value in your hard work. You are not simply studying and learning



for a grade, you are learning for your patient. Your patient is not an exam or grade. Your patient is someone's mother, child, friend, or simply someone in need. As a health care provider you hold another person's world in your hands and in that moment you will want to know every detail about their medical needs to help.

BIOL 2225: Human Anatomy and Physiology II Course Description

This course is the second of two that serve as an introduction to human anatomy and physiology for biology majors and allied health students. The course entails describing, explaining, and analyzing structure and function from the submicroscopic to the organismal level with emphasis on specific cellular, tissue, and organ structure and physiology, and organ system structure and function; specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity. Lecture: 3 hours. Prerequisites: BIOL 2210.

Talk to Me Hours

Mondays, Wednesdays and
Thursdays 3:00-5:00pm

https://unm.zoom.us/j/97813968389

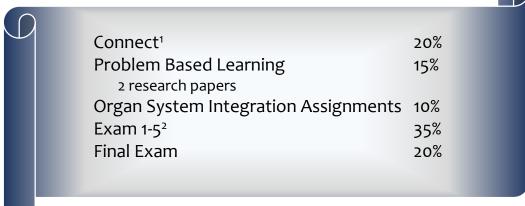
Contact Information

ANATOMY

SALADIN

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Course Grading Policy



Grades will be assigned on your percentage as follows:

A+ 97-100 B+ 87-89.99 C+ 77-79.99 D 60-69.99 A 93-96.99 B 83-86.99 C 73-76.99 F Below 60 A- 90-92.9 B- 80-82.99 ³C- 70-72.99

- 1 You have 20 SmartBook assignments in Connect. Each is worth 100 points. Your grade will be calculated out of 2000 points. Missed assignments cannot be made up.
- 2 The lowest of 5 exams will be dropped. Students with an A- or higher prior to the final exam will not be required to take the exam. This is entirely the decision of Dr. Sanchez whether a student is taking a final exam or not.
- 3 A course grade of C- is a non-passing grade. You will have to repeat the course with a grade of C- or lower.

There are extra credit assignments in Connect (see schedule for due dates). I will not assign a point value to extra credit assignments. I will not add extra credit to your grade calculation until **AFTER** the final exam. You may not pass the class with extra credit. There is no other extra credit opportunity available.

Monitor your grade in Black Board Learn. I make mistakes, but cannot correct errors the last week of classes.

Due to the ongoing pandemic, grading policies may change.

Student Learning Objectives

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

- ❖ Identify and describe the major anatomical features of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.
- Analyze the physiological roles of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems in maintaining homeostasis in the human body.
- Explain how fluid and electrolyte balance is maintained in the human body.
- Compare and contrast the anatomy and physiology of male and female reproductive systems.
- Describe pregnancy from conception to parturition including human growth and development from zygote to newborn.
- Explain heredity and genetic control.
- Develop skills that are used in a health care field setting. These skills include, but are not limited to: analysis of information, communication with peers and supervisors, creativity, problem solving, and self-motivation.

Required Learning Resources

Internet: You will need reliable and frequent internet access for this course. If you do not have this at home you will have to go somewhere that does. Lack of internet will not be an excuse for missed assignments. You will need to keep your electronic device updated, especially the browser. Issues with electronics will not be an excuse for missed assignments. Do not wait until the last minute to complete your work.



Textbook: You will need access to McGraw-Hill's 'Connect.' There are access codes available in the UNM- Valencia bookstore. This access code will give you the e-book. With access you will be able to upgrade to a print copy if you wish. These access codes are valid for 2 semesters. Saladin, Kenneth S. Anatomy & Physiology: The Unity of Form and Function. McGraw-Hill, 9th ed., 2021. If you bought the 8th ed. you do not need to purchase the 9th ed.

UNM Learn learn.unm.edu: All course materials will be distributed through Blackboard Learn. Grades will be recorded in Learn.

Course Policies/Information



- Academic Calendar. Due to the pandemic the calendar for this Fall semester is different. Fall Break is reduced to one day, Wednesday. You are off for Election Day. Be sure to vote. We will not return to campus following Thanksgiving Break. All work after Thanksgiving will be online.
- Attendance. I do not recognize an excused absence versus an unexcused absence. You are either here or not, even if it is a valid excuse. If you have to miss class you are responsible for acquiring the information covered in class. Please refer to your syllabus or contact fellow students for the information you missed. I will be recording attendance diligently. This is serving as a form of contact tracing.
- ➤ **Cell phones.** Be courteous. When your phone is out everyone knows.
- ➤ Coronavirus. 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.
- Finall Netiquette. In this day and age it is easy to be lax with your email language, grammar, and punctuation. This course is a formal and professional setting and so you should conduct yourself in that manner at all times. When writing an email avoid shorthand. Always use an appropriate subject heading; do not leave this blank. Use an appropriate salutation and closing. Some examples are "Dear Dr. Sanchez," "Good Morning Dr. Mel," or "Hello Dr. Sanchez-Dinwiddie," and "Thank you for your time," or "Have a nice day." Finally proofread and spell check. Having good email etiquette will benefit you as you continue your professional career.



- Exams. Exams will be difficult. Each exam is designed to test your ability to apply information. Exams will accumulate. I will ask questions from Exam #1 on Exam #2. There are no make-up exams. This penalty is not enforced if you make arrangements with the instructor prior to the exam. In the case of a legitimate missed exam, the make-up must be completed prior to the next class meeting. All material from the textbook is fair game for exam material. Although nearly all of the exam material will be derived from in-person lectures and video lectures.
- 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. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA does not allow disclosure of grades over email as it is not possible to authenticate identity through this medium.
- ➤ **Hybrid Course.** This course will meet in-person on Tuesdays. For the second day of the week I will be posting videos you must watch at your convenience. Due to the pandemic this may change at some point in the semester. If we are forced to change modality there will also be a change in grading policy and schedule.
- ➤ Late work. I will accept research papers late, for a reduced grade, up to one week following the due date. Do not earn zeros. Zeros are nasty for your course grade. All Connect assignments must be completed on time. I will not open Connect assignments if you miss.
- ➤ **Participation during class.** I do not formally record participation, but I notice who is engaged and who is not.
- ➤ **Students with disabilities.** Qualified students (having appropriate documentation) with disabilities needing academic adjustments should contact the instructor by the end of the 1st week of the semester to ensure that your needs are met in a timely manner.
- ➤ University Policy. You are responsible for knowing all university policies that are in the UNM Student Handbook https://pathfinder.unm.edu/. This includes policy on academic dishonesty, code of conduct, and grade options. You are responsible for maintaining your scholarship or funding for your education.
- ➤ **Withdrawal.** If a student drops the course after the deadline to drop without a grade, Friday, September 4th, a grade of W will be given. Students cannot automatically withdraw after Friday, April 10th. The grade earned after this date is a letter grade.

Tues Aug 18	Ch 17	Welcome/Endocrine
Thur Aug 20	Ch 17	Endocrine System
Tues Aug 25	Ch 18	Blood
Thur Aug 27	Ch 18	Blood
Tues Sept 1		Exam #1
Thur Sept 3	Ch 19	Heart
Tues Sept 8	Ch 19	Heart
Thur Sept 10	Ch 20	Blood Vessels
Tues Sept 15		Problem Based Learning
Thur Sept 17	Ch 20	Blood Vessels
Tues Sept 22		Exam #2
Thur Sept 24	Ch 21	Lymph/Immune
Tues Sept 29	Ch 21	Lymph/Immune
Thur Oct 1	Ch 22	Respiratory
Tues Oct 6	Ch 22	Respiratory
Thur Oct 8	Ch 23	Urinary
Tues Oct 13		Problem Based Learning
Thur Oct 15	Ch 23	Urinary
Tues Oct 20		Exam #3
Thur Oct 22	Ch 24	Fluid, Electrolyte, Ph Balance
Tues Oct 27	Ch 24	Fluid, Electrolyte, Ph Balance
Thur Oct 29	Ch 25	Digestive
Tues Nov 3		Off
Thur Nov 5	Ch 27	Male Reproductive
Tues Nov 10		Exam #4
Thur Nov 12	Ch 28	Female Reproductive
Tues Nov 17	Ch 29	Human Development
Thur Nov 19	Ch 4	Genetics
Tues Nov 24		Exam #5
Thur Nov 26		Off
Tues Dec 1		Organ system integration
Thur Dec 3		Organ system integration
Thur Dec 10		Final Exam – 9:00-11:00

Weekly Schedule



Assignment Schedule

SmartBook #1	
SmartBook #2	
SmartBook #3	
#1 Extra Credit Due	
SmartBook #4	
SmartBook #5	
SmartBook #6	
SmartBook #7	
#2 Extra Credit Due	
SmartBook #8	
SmartBook #9 PBL Paper #1 Due	
SmartBook #10	
SmartBook #11	
SmartBook #12	
SmartBook #13	
#3 Extra Credit Due	
SmartBook #14	
SmartBook #15 PBL Paper #2 Due	
SmartBook #16	
SmartBook #17	
#4 Extra Credit Due	
SmartBook #18	
SmartBook #19	
SmartBook #20	
#5 Extra Credit Due	