

**UNM Valencia Campus
Anatomy & Physiology I - BIOL 2210**

**Online
Dr. Jennifer Noble**



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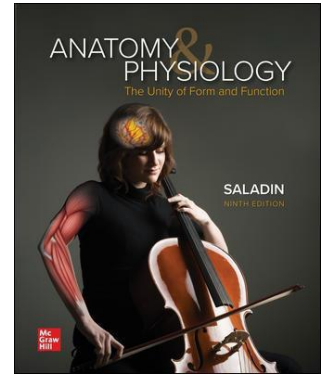
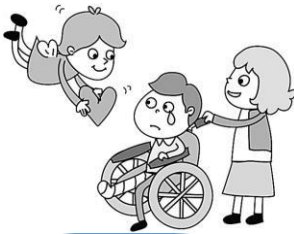
Welcome to this online endeavor

We will journey through Anatomy & Physiology I! The first of two classes that explore the human body in depth. Anatomy is the structure of things and physiology is how they work. I am passionate about teaching and believe knowledge of your body is invaluable. My goal as a teacher is both to illuminate key aspects of the human body and to lay a strong foundation for you as students pursuing a career in health care, this includes:

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

These skills are reported to be among the list of top 10 skills that employers desire in recent college graduates. In addition to making you desirable to an employer, these skills will make you a better health care provider for your patients.

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 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 body, in order to help. Focus on the vocabulary, if you know the vocabulary it is likely you will know the subject.



Biology 2210: Human Anatomy and Physiology I:

This course is the first 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 anatomic, directional and sectional terminology, basic cellular structure and metabolism, tissue differentiation and characteristics, and organ system structure and function; Specifically the integumentary, skeletal, muscular, and nervous systems.

Talk to Me Hours

Mondays, Wednesdays

1:00-3:00

meet.google.com/noble

Contact Information

Email: noblej@UNM.EDU

Phone: (505)917-3206

Course Grading Policy

Connect ¹	20%
Problem Based Learning	15%
Research and Discussions	
Organ System Integration Assignments	10%
Exam 1-5	35%
Final Exam	20%

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	³ C- 70-72.99	

- 1 Each SmartBook assignment in Connect is worth 100 points. Your grade will be calculated out of total points. Missed assignments cannot be made up. All work will be due every Sunday by midnight.
- 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. Noble 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.
- 4 I will reveal two modules at a time on blackboard, I encourage you to work deeper and slower, do not try to move ahead quickly. Make flashcards, draw pictures, and complete problem sets thoroughly before moving ahead.

There are extra credit assignments in Connect, these will be added to your grade calculation **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.

Student Learning Objectives



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

- ❖ Describe and apply anatomical terminology.
 - ❖ Describe multicellular organization
 - ❖ Distinguish and describe major tissue types.
- ❖ Describe the structure and function of the integumentary, skeletal, muscular, and nervous systems, and special senses.
 - ❖ Define homeostasis and describe specific examples for the integumentary, skeletal, muscular, and nervous systems.
 - ❖ 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 internet access for this course. If you do not have this at home, you will have to go somewhere that does. You will need to keep your electronic device updated, especially the browser. Issues with electronics will not be an excuse for missed assignments, unless it is an area wide problem with wifi. 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. 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.

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

Course Policies/Information



- **Academic Calendar.** Class start date: January 18. Last day to add courses or change sections: January 29th. Last day to drop for a tuition refund and with no grade consequence: February 5. Last day to change grading option: February 12. Last day to withdraw: April 16. Finals Week May 10-15. Last day of semester: May 15.

Course Policies/Information

- **This course is fully online, it is your responsibility to keep up with the material and submit assignments by their due date. No late work will be accepted.**
- **Email Netiquette.** Even though this is an online course, students are expected to conduct themselves in a manner that is respectful and upholds a supportive, mutually beneficial learning environment. Please start and end with an appropriate salutation and closing, some examples are “Hello Dr. Noble,” “Good Morning Dr. Jen,” and “Thank you for your time,” or “Have a nice day.” Having good email etiquette will benefit you as you continue your professional career.
 - Write comments discussions or blogs when in a comfortable space without a time limit. This will give you time to review them for tone and grammar.
 - Be aware of the fact that your audience is diverse both in age and background so be sensitive to this and try not to use words or comments that might offend people from different ethnicities and life stages.
 - If you are offended by something in a discussion or a blog, please reach out to the person who wrote it to ask for clarification. Writing is an imperfect medium and often things are not meant as they might be taken. If you are still offended reach out to your instructor.
 - While this is not an English class, please try to use appropriate grammar, do not use texting shortcuts, emojis, or all caps as these may be misinterpreted.
 - Make your posts concise, centered on the topic, and posted in a timely manner so that others have time to read and comment, this will enrich the course for everyone.
- **Exams.** Exams will be difficult. Each exam is designed to test your ability to apply information. There are no make-up exams unless excused and prior arrangements have been made. Make ups must be completed within one week of the originally scheduled exam. All material from the book, problem sets, videos, and lectures is fair game. The final is cumulative, which means it will include information from each test.
- **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.
- **Late work.** Please complete all work by the due date in the syllabus. Late work will not be accepted. If you are going to miss an exam or have an emergency, please contact me ahead of time to plan, a legitimate excuse is the only reason late work will be accepted (illness, injury, family emergency).

- **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, February 5th, a grade of W will be given. Students cannot automatically withdraw after Friday, April 16th. The grade earned after this date is a letter grade.



Week	Chapter	Topic	Assignments
Week 1: 1/18-1/24	Ch 1-3	Welcome/Language of A&P: Overview Sections 1.1, 1.5-1.8, 2.2, and 3.3	Discussion #1: Introduction Smart Book Introduction Extra Credit Chap. 1 & 3
Week 2: 1/25-1/31	Ch 5	Human Tissues	Smart Book #1 Smart Book #2 Extra Credit Chap. 5
Week 3: 2/1-2/7	Ch 6	Integumentary System	Smart Book #3 Integumentary System APR Extra Credit Chap. 6
2/7	Ch 1-3, 5 & 6	Exam #1: A&P Overview, Tissues, and Integumentary System	Exam 1
Week 4: 2/8-2/14	Ch 7	Bone Tissue	Smart Book #4 Smart Book #5 Extra Credit – Chap. 7
Week 5: 2/15-2/21	Ch 8	The Skeletal System	Smart Book #6 Extra Credit – Chap. 8
Week 6: 2/22-2/28	Ch 9	Joints	Smart Book #7 Discussion #2 Extra Credit – Chap. 9
3/1	Ch 7-9	Exam #2: Bone Tissue, Skeletal System, and Joints	Exam 2
Week 7: 3/1-3/7	Ch 10 Ch 11	Muscular System/Tissue	Smart Book #8 Extra Credit Chap. 10 Smart Book #9
Week 8 3/8-3/14	Ch 11	Muscular Tissue	Smart Book #10 Smart Book #10.2 Extra Credit Chap. 11
Spring Break			
Week 9 3/22-3/28	Ch 12	Nervous Tissue	Smart Book #11
Week 10 3/29-4/4	Ch 12	Nervous Tissue	Smart Book #12 Extra Credit Chap. 12 Discussion #3
4/5	Ch 10-12	Exam #3 Muscular System, Muscular Tissue, Nervous Tissue	Exam 3
Week 11 4/5-4/11	Ch 13	Spinal Cord and Spinal Nerves	Smart Book #13 Extra Credit Chap. 13

Week	Chapter	Topic	Assignments
Week 12 4/12-4/18	Ch 14	Brain and Cranial Nerves	Smart Book #14 Smart Book #15 Extra Credit – Chap. 14
4/19	Ch 13-14	Exam #4 Spinal Cord and Spinal Nerves, Brain and Cranial Nerves	Exam 4
Week 13 4/19-4/25	Ch 15	Autonomic Nervous System	Smart Book #16 Discussion #4
Week 14 4/26-5/2	Ch 15	Autonomic Nervous System	Smart Book #17 Extra Credit – Chap. 15
Week 15: 5/3-5/9	Ch 16	Sense Organs	Smart Book #18 Extra Credit – Chap. 16
5/11	Ch 15-16	Exam #5 Autonomic Nervous System and Sense Organs	Exam 5
Week 16: 5/11-5/15		Study for final cumulative exam	Final Exam