



**The University of New Mexico Valencia Campus  
Anatomy & Physiology I – Biol 237  
Spring 2019 – Tuesday/Thursday 10:30-11:45**

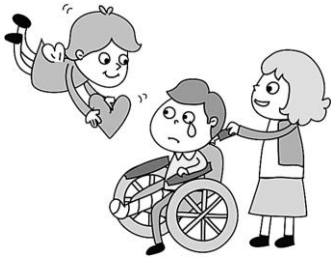
**Dr. Melanie Sanchez-Dinwiddie**

## Welcome

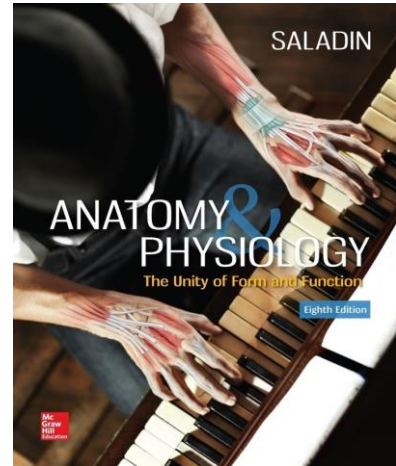
Welcome to Anatomy & Physiology II! I am excited for you to be here. I am passionate about teaching and I hope this class is fun, engaging, and inspirational. My goal as a teacher goes beyond the science of anatomy and physiology. These are key topics for they lay the foundation in which your health career will reside, but a stronger foundation involves:

- a strong work ethic,
- critical thinking,
- oral and written communication, and
- Problem solving.

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 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 in order to help.



## Course Description

An integrated study of human structure and function to include histology, skeletal, muscular, and nervous systems. Lecture: 3 hours. Prerequisites: BIOL 123/124L or BIOL201L and CHEM 111L or CHEM 121.

## Office Hours

***Mondays 10am-12pm***

***Tuesdays 8am-10am***

***Wednesdays 10am-12pm***

## Contact Information

***Email: [MELASANE@UNM.EDU](mailto:MELASANE@UNM.EDU)***

***Phone: 925-8875 or 925-8600***

***Office: H100A***



## Student Learning Objectives

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

- ❖ Define and use proper anatomical and physiological terminology.
- ❖ Analyze anatomical structure to apply physiologic function. Thus understanding the *unity of form and function*.
- ❖ Apply the concepts of general chemistry and biochemistry to the structure and function of the human body.
- ❖ Relate cellular structure and function to the organ systems of the human body.
- ❖ Discuss how the body maintains homeostasis for each organ system.
- ❖ Associate the loss of homeostasis to disease states.
- ❖ Identify histology and predict its function in an organ.
- ❖ Explain and illustrate anatomy and physiology macroscopically and microscopically of the following organ systems or body structures:
  - ◆ Integumentary System
  - ◆ Skeletal System
  - ◆ Muscular System
  - ◆ Nervous System
  - ◆ Sense Organs
- ❖ 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

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. 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, 8th ed., 2018.

**UNM Learn [learn.unm.edu](http://learn.unm.edu):** All course materials will be distributed through Blackboard Learn. Including grades will be recorded in Learn.





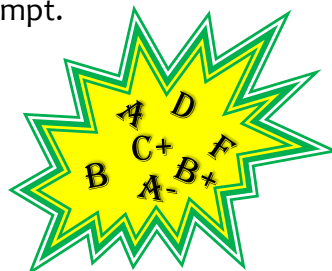
## Course Policies

- **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 at the beginning of class. If you arrive after I have recorded attendance you are marked absent.
- **Cell phones.** Be courteous. When your phone is out everyone knows.
- **Email 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. For example, never use 'u' always write out 'you.' 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," "Sincerely," or "Have a nice day." When you enter your career of choice appropriate titles are appreciated. 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. 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.
- **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.** I will accept late work, for a reduced grade, up to one week following the due date.
- **Students with disabilities.** Qualified students (having appropriate documentation) with disabilities needing academic adjustments should contact the instructor by the end of the 1<sup>st</sup> 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 student catalog. This includes policy on cheating, plagiarism, 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 1<sup>st</sup>, a grade of W may be given. Students cannot automatically withdraw after Friday, April 5<sup>th</sup>.

<sup>1</sup> Connect	20%
Problem Based Learning	20%
2 research papers	
Exam 1-5	40%
Final Exam	20%

## Course Grading Policy

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. These students are required to take all 5 exams and receive 60% or higher. An 89.99% is non-exempt.



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	<sup>2</sup> C- 70-72.99	

<sup>1</sup> You have 22 LearnSmart assignments and 5 exam-preparation quizzes in Connect. Each is worth 100 points. Your grade will be calculated out of 2400 points. You cannot earn above 100% in your Connect grade.

<sup>2</sup> 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.



## Weekly Schedule



## Assignment Schedule

Jan 15	Ch 1	Themes of A&P
Jan 17	Ch 3	Cellular Form & Function
Jan 22	Ch 5	Histology
Jan 24	Ch 5	Histology
Jan 29		Exam #1
Jan 31	Ch 6	Integumentary System
Feb 5	Ch 7	Bone Tissue
Feb 7	Ch 7	Bone Tissue
Feb 12	Ch 8	The Skeletal System
Feb 14	Ch 9	Joints
Feb 19		PBL #1
Feb 21		Exam #2
Feb 26	Ch 10	Muscular System
Feb 28	Ch 11	Muscular Tissue
Mar 5	Ch 11	Muscular Tissue
Mar 7	Ch 12	Nervous Tissue
Mar 19		Exam #3
Mar 21	Ch 13	Spinal Cord and Spinal Nerves
Mar 26	Ch 13	Spinal Cord and Spinal Nerves
Mar 28	Ch 14	Brain and Cranial Nerves
Apr 2	Ch 14	Brain and Cranial Nerves
Apr 4		PBL #2
Apr 9		Exam #4
Apr 11	Ch 14	Brain and Cranial Nerves
Apr 16	Ch 15	Autonomic Nervous System
Apr 18	Ch 15	Autonomic Nervous System
Apr 23	Ch 16	Sense Organs
Apr 25	Ch 16	Sense Organs
Apr 30	Ch 16	Sense Organs
May 2		Exam #5
May 7		Final Exam 10:30-12:30

Jan 17	10:30am	LearnSmart #1
Jan 22	10:30am	LearnSmart #2
Jan 24	10:30am	LearnSmart #3
Jan 29	10:30am	Exam-Prep Quiz #1; EC Due
Jan 31	10:30am	LearnSmart #4
Feb 5	10:30am	LearnSmart #5
Feb 7	10:30am	LearnSmart #6
Feb 12	10:30am	LearnSmart #7
Feb 14	10:30am	LearnSmart #8
Feb 21	10:30am	Exam-Prep Quiz #2; EC Due
Feb 26	10:30am	LearnSmart #9 PBL Paper #1 Due
Feb 28	10:30am	LearnSmart #10
Mar 5	10:30am	LearnSmart #11
Mar 7	10:30am	LearnSmart #12
Mar 19	10:30am	Exam-Prep Quiz #3; EC Due
Mar 21	10:30am	LearnSmart #13
Mar 26	10:30am	LearnSmart #14
Mar 28	10:30am	LearnSmart #15
Apr 2	10:30am	LearnSmart #16
Apr 9	10:30am	Exam-Prep Quiz #4; EC Due
Apr 11	10:30am	LearnSmart #17
Apr 16	10:30am	LearnSmart #18 PBL Paper #2 Due
Apr 18	10:30am	LearnSmart #19
Apr 23	10:30am	LearnSmart #20
Apr 25	10:30am	LearnSmart #21
Apr 30	10:30am	LearnSmart #22
May 2	10:30am	Exam-Prep Quiz #5; EC Due