

Anatomy & Physiology I; Biology 237:502 – Spring 2018

Tuesday & Thursday 10:30-11:45am; H101

Instructor: Dr. Melanie Sanchez-Dinwiddie

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 and helping you through this course. This class is not going to be easy. It will be demanding on your time and energy. There will be times that you don't like me (I hope this is rare), because of the challenges this course will put you through, 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 future patients. Many times you will question "why do I need to know this?" and here it is, your patient is not a textbook, a quiz, or an exam, your patient is someone's mother.....someone's child..... someone's 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.

Contact Information:

Email: MELASANC@UNM.EDU
Phone: 925-8875 or 925-8600
Office: H100A

Office Hours:

I am here for you to succeed. If you need to see me please stop by anytime or schedule an appointment. I will be in my office during the following scheduled times: Monday 10:30-12:00 and 1:00-3:00, Wednesday 10:30-12:00, Thursday 1:00-3:00.

Student Learning Objectives:

- ❖ 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.

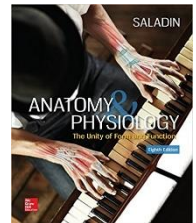
Student Learning Objectives continued:

- ❖ 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-learning.

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: All course materials will be distributed through Blackboard Learn. Including grades (other than Connect) will be recorded in Learn.

<http://connect.mheducation.com/class/m-sanchez-dinwiddie-spring-2018>

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.** I do not want to see one. Students have failed my courses because of excessive use of a cell phone. If you are addicted to your phone, leave it in your car.
- **Withdrawal.** If a student drops the course after the deadline to drop without a grade, Friday, February 3rd, a grade of W may be given. Students cannot automatically withdraw after Friday, April 13th.
- **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.
- **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.
- **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.

- **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.
- **Exams.** Exams will be difficult. Each exam is designed to test your ability to apply information. You will have different mechanisms for improving your score or easing the difficulty. Possible examples are regrades, take-home exams, or partner exams. 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.

Course Grading Policy: The course grade will be determined as follows:

Web Learning ('Connect)	20%	The lowest score of the 4 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 4 exams and receive 60% or higher). An 89.99% is non-exempt.
Problem Based Learning	15%	
Exam 1-4	45%	
Final Exam	20%	

Grades will be assigned based on the student's percentage as follows:

100 or higher – A+	87-89.99 – B+	77-79.99 – C+	60-69.99 – D
94-99.99 – A	83-86.99 – B	73-76.99 – C	below 60 – F
90-93.99 – A-	80-82.99 – B-	70-72.99 – ² C-	

¹You have Connect LearnSmart assignments due every class except exam and case study days. There are also end of chapter quizzes. Each assignment is worth 100 points. There are 35 assignments. Your grade will be calculated out of 3200 points. Extra Credit for the course is available in Connect. There is no other extra credit opportunity available.

²A course grade of C- is a non-passing grade. Although you will receive 3 credits for the course.

Bloom's Taxonomy:

Dr. Benjamin Bloom was a psychologist who worked on theories of education and learning. He was one of the first to publish a system for the classification of learning objectives. The aim of using "Bloom's Taxonomy" in this course is to achieve a higher level of learning and thought process. As an instructor I will construct the course with Bloom's Taxonomy in mind.

Date	Class Agenda	Date	Class Agenda
Tues 1/16	Course Introduction	Thur 1/18	1 – Major Themes of Anatomy & Physiology
Tues 1/23	3 – Cellular Form and Function	Thur 1/25	5 – Histology
Tues 1/30	5 – Histology	Thur 2/1	6 – The Integumentary System
Tues 2/6	❖ Exam #1	Thur 2/8	7 – Bone Tissue
Tues 2/13	8 – The Skeletal System	Thur 2/15	9 – Joints
Tues 2/20	<i>Problem Based Learning #1 - Begin</i>	Thur 2/22	<i>Problem Based Learning #1 - Finish</i>
Tues 2/27	❖ Exam #2	Thur 3/1	10 – The Muscular System
Tues 3/6	11 – Muscular Tissue	Thur 3/8	11 – Muscular Tissue
Tues 3/13	<i>Off – Spring Break</i>	Thur 3/15	<i>Off – Spring Break</i>
Tues 3/20	12 – Nervous Tissue	Thur 3/22	12 – Nervous Tissue
Tues 3/27	<i>Problem Based Learning #2 - Begin</i>	Thur 3/29	<i>Problem Based Learning #2 - Finish</i>
Tues 4/3	13 – The Spinal Cord, Spinal Nerves and Somatic Reflexes	Thur 4/5	13 – The Spinal Cord, Spinal Nerves and Somatic Reflexes
Tues 4/10	❖ Exam #3	Thur 4/12	14 – The Brain and Cranial Nerves
Tues 4/17	14 – The Brain and Cranial Nerves	Thur 4/19	15 – The Autonomic Nervous System and Visceral Reflexes
Tues 4/24	15 – The Autonomic Nervous System and Visceral Reflexes	Thur 4/26	16 – Sense Organs
Tues 5/1	16 – Sense Organs	Thur 5/3	❖ Exam #4
Tues 5/8	❖ Final Exam 10:30-12:30		

Date	Assignment Due	Date	Assignment Due
Tues 1/16		Thur 1/18	LearnSmart #1 – Major Themes of A&P, 9am Quiz#1 11:59pm
Tues 1/23	LearnSmart #2 – Cellular Form And Function, 9am; Quiz #2 11:59pm	Thur 1/25	LearnSmart #3 – Histology, 9am;
Tues 1/30	LearnSmart #4 – Histology, 9am Quiz #3 11:59pm	Thur 2/1	LearnSmart #5 – Integumentary System, 9am; Quiz #4 11:59pm Extra Credit #1 Due 11:59pm
Tues 2/6		Thur 2/8	LearnSmart #6 – Bone Tissue, 9am Quiz #5 11:59pm
Tues 2/13	LearnSmart #7 – Skeletal System, 9am; Quiz #6 11:59pm	Thur 2/15	LearnSmart #8 – Joints, 9am Quiz #7 11:59pm
Tues 2/20		Thur 2/22	Extra Credit #2 Due 11:59pm
Tues 2/27		Thur 3/1	LearnSmart #9 – Muscular System, 9am Quiz #8 11:59pm
Tues 3/6	LearnSmart #10 – Muscular Tissue, 9am	Thur 3/8	LearnSmart #11 – Muscular Tissue, 9am; Quiz #9 11:59pm
Tues 3/13		Thur 3/15	
Tues 3/20	LearnSmart #12 – Nervous Tissue, 9am	Thur 3/22	LearnSmart #13 – Nervous Tissue; 9am Quiz #10 11:59pm
Tues 3/27		Thur 3/29	
Tues 4/3	LearnSmart #14 – Spinal Cord, Spinal Nerves; 9am	Thur 4/5	LearnSmart #15 – Spinal Cord, Spinal Nerves; 9am Quiz #11 11:59pm Extra Credit #3 Due 11:59pm
Tues 4/10		Thur 4/12	LearnSmart #16 – Brain and Cranial Nerves, 9am
Tues 4/17	LearnSmart #17 – Brain and Cranial Nerves; 9am Quiz #12 11:59pm	Thur 4/19	LearnSmart #18 – Autonomic Nervous System; 9am
Tues 4/24	LearnSmart #19 – Autonomic Nervous System, 9am Quiz #13 11:59pm	Thur 4/26	LearnSmart #20 – Sense Organs; 9am
Tues 5/1	LearnSmart #21 – Sense Organs; 9am Quiz #14 11:59pm Extra Credit #4 Due 11:59pm	Thur 5/3	

