Anatomy & Physiology I; Biology 237:502 – Spring 2017

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, but 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, 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 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-Wednesday 1:00-3:00. For your information here is my class schedule:

Monday	9:00-10:15	Bio 237	Wednesday	9:00-10:15	Bio 237
	10:30-1:15	Bio 247		10:30-1:15	Bio 247
Tuesday	10:30-11:45	Bio 237	Thursday	10:30-11:45	Bio 237
	12:00-2:45	Bio 247			

Student Learning Objectives:

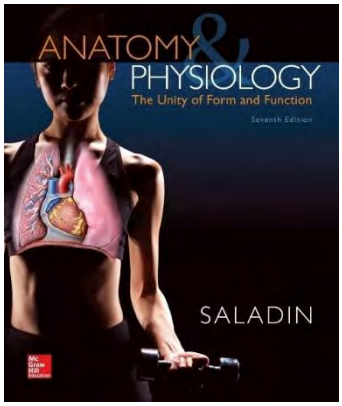
- Define and use proper anatomical and physiological terminology.
- Analyze anatomical structure to apply physiologic function. Thus understanding the *unity of form and function.*
- Apply the concepts of general chemistry and biochemistry to the structure and function of the human body.
- Relate cellular structure and function to the organ systems of the human body and associate the loss of cellular homeostasis to disease states.

Student Learning Objectives continued:

- 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
- Use the knowledge you acquire to interpret case studies.
- 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.



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, 2015.

UNM Learn learn.unm.edu: All course materials will be distributed through Blackboard Learn. Also grades (other than Connect) 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. Even if I do not take attendance formally, I know…….
- **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 14th.
- **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.
- **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.
- **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 netiquette 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.
- **Title IX.** In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered "responsible employees" by the Department of Education (see pg 15 - http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf). 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.
- **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 ([1]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).
Case Study Activity (PBL)	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-	

[1]You have Connect LearnSmart assignments due every class except exam and case study days. There are 21 assignments each worth 100 points. Your grade will be calculated out of 1800 points.

[2]A 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.

Week	Date	Chapter	PBL Due
1	Tuesday 1/17	Course Introduction	
	Thursday 1/19	1 – General Orientation to Human Anatomy	
2	Tuesday 1/24	2 – The Chemistry of Life	
	Thursday 1/26	3 – Cellular Form and Function	
3	Tuesday 1/31	5 – Histology	
	Thursday 2/2	5 – Histology	
4	Tuesday 2/7	6 – The Integumentary System	
	Thursday 2/9	Case Study #1	
5	Tuesday 2/14	Case Study #1	
	Thursday 2/16	**Exam #1**	
6	Tuesday 2/21	7 – Bone Tissue	
	Thursday 2/23	7 – Bone Tissue	#1 Due 9:00am
7	Tuesday 2/28	8 – The Skeletal System	
	Thursday 3/2	9 – Joints	
8	Tuesday 3/7	11 – Muscular Tissue	
	Thursday 3/9	11 – Muscular Tissue	
9	Tuesday 3/14	*Off – Spring Break*	
	Thursday 3/16	*Off – Spring Break*	
10	Tuesday 3/21	**Exam #2**	
	Thursday 3/23	10 – The Muscular System	
11	Tuesday 3/28	12 – Nervous Tissue	
	Thursday 3/30	12 – Nervous Tissue	
12	Tuesday 4/4	Case Study #2	
	Thursday 4/6	Case Study #2	
13	Tuesday 4/11	13 – The Spinal Cord, Spinal Nerves and Somatic Reflexes	
	Thursday 4/13	13 – The Spinal Cord, Spinal Nerves and Somatic Reflexes	#2 Due 9:00am
14	Tuesday 4/18	**Exam #3**	
	Thursday 4/20	14 – The Brain and Cranial Nerves	
15	Tuesday 4/25	14 – The Brain and Cranial Nerves	
	Thursday 4/27	15 – The Autonomic Nervous System and Visceral Reflexes	
16	Tuesday 5/2	16 – Sense Organs	
	Thursday 5/4	**Exam #4**	
	Tuesday 5/9	**Final Exam 10:30-12:30**	