

Human Anatomy & Physiology Lab II

Biology 248L-Section 502

Fall 2017

Instructor: Dr. Melanie Sanchez-Dinwiddie

Contact Information: email- melasanc@unm.edu, Office H100A, phone 925-8875

Office Hours: I am here for *you* to succeed. If you need to see me outside of class please stop by anytime or schedule an appointment. I will be in my office during the following scheduled times: Tuesday and Thursday 1-3 or by appointment.

Meeting Time and Place: Health Sciences Building, H113. Tuesday, 10:30-1:15.

Required lab manual Anatomy & Physiology: The Unity of Form and Function Laboratory Manual by Wise, 2015, 7th edition. McGraw Hill Publisher. You will also need access to *Anatomy & Physiology Revealed*. You will access to APR through McGraw-Hill Connect.

Course description: This course is a one hour credit biology lab designed as a continuation of Biol 247L. Topics to be covered are integrated with Biology 238. It is a laboratory using cadavers. Anatomy is heavily stressed with appropriate physiological works.

Student Learning Objectives: At the completion of this course the student will be able to:

- Apply the scientific method correctly. .
- Use laboratory equipment, such as a microscope, correctly and safely.
- Identify the anatomical components of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, illustrations, or cadaver specimens.
- Describe the functional characteristics of human tissues, organs, and organ systems using prepared microscope slides, models, diagrams, illustrations, or cadaver specimens.
- Analyze the physiological processes of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.
- Analyze the physiological processes of fluid and electrolyte balance and acid base balance in the human body.
- recognize and appropriately use anatomical and physiological terminology,

Course Requirements:

- ❖ ***Anatomy and Physiology Revealed.*** Homework will be assigned through APR. You will need to complete homework prior to coming to class.
- ❖ ***UNM Learn.*** All materials for this class will be distributed through UNM Learn (learn.unm.edu). You are responsible for all material distributed here. The due dates and due times are strictly enforced. You will need reliable and frequent internet access. Lack of internet will not be an excuse for missed assignments.

- ❖ **Attendance.** Attendance is necessary for you to participate in lab as well as to fully understand the material presented. This means getting to class on time and completing the exercises covered. The student will be held responsible for all material and information regardless of whether the student was in lab. Each absence will result in a loss of 10% of the student's *attendance* grade.
- ❖ **Cheating.** There has been a history of cheating in this course. Cheaters will be docked significantly in their final course grade and/or reported to the Dean of Instruction.
- ❖ **Financial Assistance.** It is the student's responsibility to know policies for funding their education. It is the student's responsibility to maintain funding for their education.
- ❖ **Make-up Exams/Quizzes.** There are no make-up exams. Make-up quizzes will be given at the instructor's discretion. Only one make-up quiz will be given during a semester.
- ❖ **Cell phones.** As a courtesy to the class, please turn off all cell phones or pagers. PLEASE DO NOT TEXT MESSAGE DURING CLASS. Any sight of a cell phone during exams and quizzes will result in automatic fail for that assignment. Absolutely under no condition is a cell phone allowed in the cadaver laboratory.
- ❖ **Food and Drink.** There will be NO Food or Drink in the lab room.
- ❖ **Human cadavers.** I understand there will be some of you who are uncomfortable in working with human cadavers. The amount of interaction I will require with the cadavers is on the midterm and final exams. No person will be exempt from the examination material.

Special Needs: Qualified students with disabilities needing appropriate academic adjustments should contact the instructor immediately to ensure that your needs are met in a timely manner.

Grading policy: The course grade will be determined as follows:

Lab Attendance/Participation	5%	Midterm	20%
Pre-lab APR assignments	20%	Final Exam	25%
Quizzes (5 out of 6)	30%		

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 – C-	

Anatomy & Physiology II Laboratory Schedule – Fall 2017

Week	Date	Exercise
1	Tuesday August 22	Endocrine System
2	Tuesday August 29	Blood/Blood Typing
3	Tuesday September 5	Structure of the Heart
4	Tuesday September 12	Electrical Conductivity of the Heart Function of the Heart
5	Tuesday September 19	Introduction to Blood Vessels and Arteries of the Superior Body
6	Tuesday September 26	Arteries of the Inferior Body
7	Tuesday October 3	Veins and Special Circulations
8	Tuesday October 10	❖ Midterm Exam
9	Tuesday October 17	Functions of Vessels, Lymphatic System
10	Tuesday October 24	Blood Vessels and Blood Pressure
11	Tuesday October 31	Structure of the Respiratory System Respiratory Function, Breathing, Respiration
12	Tuesday November 7	Urinary System
13	Tuesday November 14	Anatomy of the Digestive System Digestive Physiology
14	Tuesday November 21	❖ Off
15	Tuesday November 28	Male Reproductive System Female Reproductive System and Early Development
16	Tuesday December 5	❖ Final Exam