

Syllabus

Biology 2225-501: Human Anatomy and Physiology II, Fall 2019

Instructor: Piotr T. Filipczak, PhD

Contact Information: email - pfilipczak@unm.edu,

Office Hours: Wednesday, 1:00 p.m. – 1:30 p.m., Academic Building, Room A113

Class Time/Place: Monday and Wednesday, 1:30 p.m. – 2:45 p.m., Valencia Health Sciences,
Room 101

Course Description:

This course is the second 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 specific cellular, tissue, and organ structure and physiology, and organ system structure and function; specifically the endocrine, cardiovascular, respiratory, urinary, and reproductive systems. Additionally, an analysis of these concepts is included: fluid and electrolyte balance, pregnancy, growth and development from zygote to newborn, and heredity.

Student Learning Objectives:

1. Identify and describe the major anatomical features of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems.
2. Analyze the physiological roles of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems in maintaining homeostasis in the human body.
3. Explain how fluid and electrolyte balance is maintained in the human body.
4. Compare and contrast the anatomy and physiology of male and female reproductive systems.
5. Describe pregnancy from conception to parturition including human growth and development from zygote to newborn.
6. Explain heredity and genetic control.

Required Class Manual:

Saladin, Anatomy and Physiology: The Unity of Form and Function. 8th edition. McGraw-Hill

Grading Policy:

- Attendance/Participation 5 points
- Out of Class Assignments 10 points – 5 assignments, 2 points each
- Quizzes 30 points – 15 quizzes (**every Wednesday!**), 2 points each
- Midterm Exam 25 points
- Final Exam 30 points

Grades:

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

Minimum score requirement:

Students who do not collect at least 33% of points possible to collect in the first half of the semester may be dropped from the course at instructor discretion.

Attendance:

Each absence will result in a loss of 0.5 point for attendance. 5 absences by the first half of semester or 10 absences by the end of semester will result with a fail of the course.

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.

Cell Phones:

As a courtesy to the class, please turn off all cell phones or pagers. **DO NOT TEXT MESSAGE DURING CLASS.** Any sight of a cell phone during exams or quizzes will result in an automatic fail for that assignment.

Special Needs:

Qualified students with disabilities 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.

Academic Dishonesty:

Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or otherwise fails to meet the standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records.

UNM Valencia Campus Course Catalog:

It is in the student's best interest to have read and fully understand the catalog. Understanding the catalog helps you navigate through your degree of choice.

Schedule

Date	Exercise	Quiz
Week 1 8/19 & 8/21	Chapter 17: Endocrine System	#1
Week 2 8/26 & 8/28	Chapter 17: The Endocrine System (continue)	#2
Week 3 9/4	Chapter 18: The Circulatory System – Blood	#3
Week 4 9/9 & 9/11	Chapter 18: The Circulatory System – Blood (continue)	#4
Week 5 9/16 & 9/18	Chapter 19: The Circulatory System – Heart	#5
Week 6 9/23 & 9/25	Chapter 20: The Circulatory System – Blood Vessels and Circulation	#6
Week 7 9/30 & 10/2	Chapter 21: The Lymphatic and Immune Systems	#7
Week 8 10/7 & 10/9	Chapter 22: The Respiratory System	#8
Week 9 10/14 & 10/16	Chapter 22: The Respiratory System (continue)	#9
Week 10 10/21 & 10/23	Monday 10/21: MIDTERM EXAM Chapter 23: The Urinary System	
Week 11 10/28 & 10/30	Chapter 23: The Urinary System (continue)	#10
Week 12 11/4 & 11/6	Chapter 24: Fluid, Electrolyte, and Acid-Base Balance	#11
Week 13 11/11 & 11/13	Chapter 25: The Digestive System	#12
Week 14 11/18 & 11/20	Chapter 26: Nutrition and Metabolism	#13
Week 15 11/25 & 11/27	Chapter 27: The Male Reproductive System Chapter 28: The Female Reproductive System	#14
Week 16 12/2 & 12/4	Chapter 29: Human Development and Aging	#15
Week 17 12/9	Final Exam	