Instructor: Dr. Roshanak Jafari  
Office: BIOL # 403  
Phone: 915-747-8059  
Email: rjafari@utep.edu  
Prerequisite courses: Biology 1305 & Biology 1107  
Classroom: Psychology Building 308  
Class Hours: TR 9:00 am - 10:20 am; Office Hours: TR 10:45 - 11:45 AM  

Important dates:  
Aug 22: Classes begin  
Sep. 5: Labor Day Holiday (No Classes)  
Oct. 28 Course drop deadline (Last day to drop with an automatic W)  
Nov. 24 - 25 Thanksgiving Holiday (No Classes)  
Dec. 1 Last day of classes  
Dec. 6 Final exam: 10:00am-12:45 pm  

Course Description  
Providing the students with a broad-based understanding of human anatomy and physiology. The cardiovascular, immune, respiratory, digestive, urinary and reproductive systems, as well fluid and electrolyte balance, and acid-base balance are included in this course which is the second part of a two course series.  

Attendance Policy:  
Attendance in this course is critical to your success. This course cannot be passed without regular attendance. Attendance is not taken routinely in each class, but random attendance will be taken which do not affect directly your final grade, however, actively attending in class will be considered when deciding about the final grades for the students on the border line (i.e. between C or D).  

Evaluation  
A total of five exams will be given for this course. Four exams will be given during the semester. The final exam will be given during the finals week on Tuesday, Dec. 6. The exercises that accompany each chapter will be given. The exercises encourage students to immediately use their newly acquired knowledge and, thus, improve retention by doing practice.  

Grading  
Grades are based on a straight percentage scale; there is no curve and no +/- grades are awarded. So, an A=100-90%, a B=89-80%, a C=79-70%, a D=69-60%, and F=<60%. All five exams will be weighted equally. Each Exam is worth 20% of final grade. No exam scores will be dropped. Some pop quizzes, class activities, and assignments may be given for extra credits.
MAKE- UP EXAM POLICY: There is no make-up test!


Civility Statement: Cell phones are either to be turned off or turned to vibrate during lecture; talking during lecture is not permitted. Please be respectful to all students’ right to learn without disruption.

Disability Statement: If a student has or suspect he/she has a disability and needs an accommodation, he/she should contact the Center for Accommodations and Support Services (CASS) at 747-5184 or at cass@utep.edu or go to room 106 in the Union East Building. The student is responsible for presenting to the instructor any DDS accommodation letters and instructions.

Military: If one serves in the military and has the potential of being called up, that fact should be made known to the instructor.

The following schedule is tentative, and the dates of lectures and exams, and the chapters for each exam may be changed.

1st week:
Introduction
Ch 17: Blood Composition and Function

2nd week:
Ch 17: Hemostasis
Ch 17: Transfusion and Blood Replacement

3rd week
Ch 18: Heart Anatomy
Ch 18: Heart Physiology

4th week:
Ch 18: Heart Physiology
Ch 18: Cardiac Output

5th week:
Ch 19: Blood Vessel Structure and Function
Exam 1

6th week:
Ch 19: Physiology of Circulation
Ch 19: Blood Flow through Body Tissues and Circulatory Pathways

7th week:
Ch 22: Functional anatomy of the Respiratory System
Ch 22: Mechanics of Breathing
8th week
Ch 22: Gas Exchanges between the Blood, Lungs, and Tissues
Exam 2

9th week:
Ch 23: Functional Anatomy of the Digestive System
Ch 23: Functional Anatomy of the Digestive System

10th week
Ch 23: Physiology of digestion and Absorption
Ch 23: Physiology of digestion and Absorption

11th week
Exam 3
Ch 25: The Urinary System

12th week:
Ch 25: The Urinary System
Ch 25: The Urinary System

13th week:
Ch 26: Fluid Electrolytes, and Acid-base Balance
Ch 26: Fluid Electrolytes, and Acid-base Balance

14th week:
Exam 4
Ch 20: The Lymphatic System

15th week:
Ch 21: Immune System (Adaptive Defenses)
Ch 21: Immune System (Innate Defenses)

16th week
Ch 27: Reproductive System
Ch 27: Reproductive System

17th
Final Exam (Tuesday, Dec. 6, 10:00am-12:45 pm)

Rules for tests:

1. Cell phones must be turn off!
2. No listening device may be worn!