Instructor: Dr. Roshanak Jafari  
Office: BIOL # 403  
Phone: 915-747-8059  
Email: rjafari@utep.edu  
Prerequisite courses: Biology 1305 & Biology 1107  
Classroom: UGLC 346  
Class Hours: MW 10:30 – 11:50 am; Office Hours: MW 12:30 – 2:00 pm  
Required Materials  

Important dates:  
Jan 21: Classes begin  
Mar. 10 - 14 Spring Break (No Classes)  
Mar. 31 Cesar Chavez Day Observance (No Classes)  
Apr. 4 Course drop deadline (Last day to drop with an automatic W)  
May 8 Last day of classes  
May 16 Final exam: 10:00 am – 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 generally not taken, however, it is highly recommended  

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 Friday, May 16.  
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 may be given during the class hours 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

2nd week:
Ch 17: Blood Composition and Function
Ch 17: Hemostasis

3rd week
Ch 17: Transfusion and Blood Replacement
Ch 18: Heart Anatomy

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

5th week:
Ch 18: Cardiac Output
Ch 19: Blood Vessel Structure and Function

6th week:
**Exam 1**
Ch 19: Physiology of Circulation

7th week:
Ch 19: Blood Flow through Body Tissues and Circulatory Pathways
Ch 20: The Lymphatic System

8th week:
**Spring Break (No Classes)**
Spring Break (No Classes)

9th
Ch 21: Immune System (Innate Defenses)
Exam 2

10th week:
Ch 21: Immune System (Adaptive Defenses)
Ch 22: Functional anatomy of the Respiratory System

11th week:
**Cesar Chavez Day Observance (No Classes)**
Ch 22: Mechanics of Breathing

12th week:
Ch 22: Gas Exchanges between the Blood, Lungs, and Tissues
Exam 3

13th week:
Ch 23: Functional Anatomy of the Digestive System
Ch 23: Physiology of digestion and Absorption

14th week:
Ch 25: The Urinary System
Ch 25: The Urinary System

15th week:
**Exam 4**
Ch 26: Fluid Electrolytes, and Acid-base Balance

16th week
Ch 26: Fluid Electrolytes, and Acid-base Balance
Ch 27: Reproductive System

17th
Final Exam (Friday, May 16. 10:00am – 12:45 pm)

**Rules for tests:**

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