

**THE UNIVERSITY OF TEXAS AT EL PASO
COLLEGE OF SCIENCE
DEPARTMENT OF BIOLOGICAL SCIENCES**

Biology 2313 (CRN 24913)

Spring 2022

HUMAN ANATOMY & PHYSIOLOGY II

Course Outline

INSTRUCTOR: Dr. Zaineb Al-Dahwi

Office: Biology 104

Office Hours: Tuesdays and Thursdays: 3:30 p.m. - 4:20 p.m., or by appointment

Phone: 747-8762

E-mail Address: zaineb@utep.edu

COURSE PERIOD: Tuesday January 18th, 2022 - Thursday May 5th, 2022

COURSE MEETINGS AND LOCATION: Tuesdays, and Thursdays: 4:30 – 5:50 pm in the Physical Science Building, room # 115

PREREQUISITE COURSES: Biology 1305 and Biology 1107

REQUIRED TEXTBOOK: **Human Anatomy and Physiology** by Elaine N. Marieb, and Katja Hoehn, Eleventh Edition. Pearson Benjamin Cummings, San Francisco, CA.

GRADING POLICY: The **Final Class (= Lecture Section) Grade** will be determined from the average of **three class (= lecture)** exams, and the **final lecture exam** grades. There will be a total of five exams given during the semester. **One** (= the lowest exam score) **grade, (excluding the final exam grade)**, will be dropped in calculating the **final class grade**. All exams (**including the Final Exam**) will count equally (= same percentage). Each exam will comprise 25% of the final class (= lecture) grade.

The **Final Course Grade** will be assigned based on the following grading scale:

A = 90% – 100%

B = 80% – 89%

C = 70% – 79%

D = 60% – 69%

F = 0 – 59%

FINAL EXAM: The final exam will **not** be a comprehensive exam. **All students are required to take the final exam.** The Final exam will **NOT** be given prior to its scheduled time. **NO** make-up will be given for the final exam. The final exam grade will **NOT** be dropped in calculating the **final class average**.

EXAMS FORMAT AND MATERIAL: All class exams will consist primarily of multiple choice and true-false questions. Material of the exams will be **assigned** before each exam. Exams will include material from the textbook and lecture notes.

GUIDELINES FOR EXAMS: All exams will be given **IN-CLASS** through Blackboard during the scheduled class time. Each student will need to sign an “**Exam End Time**” sheet as soon as he/she finishes the exam (**before leaving the classroom**). If the time on Blackboard will be different than the time on the sheet, the grade on Blackboard will be removed. This means that the grade of the exam will be zero. There will be **ONE** attempt for each exam.

Technical Difficulty: If a student would encounter technical difficulty during the exam, an arrangement will be made for **the student to take a different exam (on the SAME MATERIAL) on a later date.**

COVID-19-positive students: Students who are COVID-19-positive **should provide documents indicating that they were tested to be positive, or provide a notification through the UTEP Environmental Health & Safety (EH&S) Department, or a letter from the Dean of Students Office at UTEP.** Special arrangements will be made for these students to take the exams.

Respondus Lock Down Browser may be used in the exams. If respondus lock down browser would be used, a notification will be provided prior to the date of the exam.

MAKE UP POLICY: **No Make-Up exams will be given to any exam during the semester or to the final exam.** If an exam is missed (**EXCLUDING** the final exam), the grade of the missed exam will be considered the lowest and will be the exam grade that will be dropped in calculating the final class average.
NOTE: **None of the 5 exams during the semester will be given prior to their scheduled time**

ATTENDANCE POLICY: Attendance of class is mandatory. Absences must be communicated at least 24 hours in advance. In case of an emergency situation, please contact the instructor by e-mail and/or phone at the earliest convenience.

DROP POLICY: The last day to withdraw with an automatic “W” is **Friday, April 1st, 2022.**

NOTE: Faculty-initiated drops will **NOT** be processed after April 1st, 2022.

ASSESSMENT OF COURSE OBJECTIVES: Completion of this course enables the student to become very well acquainted with the details of the blood, cardiovascular system, lymphatic system, immune system, respiratory system, digestive system, urinary system and their interactions

ACADEMIC INTEGRITY: It is the policy of the University of Texas at El Paso that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All students involved in academic dishonesty will be disciplined in accordance with the University regulations and procedures. For further information, please refer to UTEP's Handbook of Operating Procedures, Chapter 1: Student Conduct and Discipline at <http://admin.utep.edu/Default.aspx?PageContentID=2084&tabid=30292>. Also, please see Plagiarism and Scholastic Integrity webpage, at UTEP's Library: <http://libraryweb.utep.edu/research/plagiarism.php>.

CIVILITY STATEMENT: Students are encouraged to actively participate in all course activities. However, during lectures and labs, use of cell phones, talking, texting, and other disruptive activities are **unacceptable**. All cell phones must be placed in silent mode. Laptops, iPads, smart phones etc. are allowed in class only as a resource for class material. These devices **cannot** be used for any activity other than those related to the class session. Taking pictures by any means in the class is strictly forbidden.

ACCOMMODATIONS AND SUPPORT SERVICES: If a student has or suspects he/she has a disability and needs classroom accommodations, he/she should contact the Center for Accommodations and Support Services (CASS) at 747-5148, or by e-mail to cass@utep.edu, or visit their office located at the UTEP Union East, Room 106. For additional information, please visit the CASS website at www.utep.edu/CASS. *CASS staff are the only individuals who can validate and if need be, authorize accommodations for students with disabilities.* Students registered with CASS are responsible for **presenting** any CASS accommodation letters and instructions to the instructor.

MILITARY STATEMENT: If you are a military student with the potential of being called to military service and/or training during the course of the semester, you are encouraged to contact the instructor by phone and/or e-mail at the earliest convenience.

COVID-19 PRECAUTION STATEMENT:

Please stay home if you have been diagnosed with COVID-19 or are experiencing COVID-19 symptoms. If you are feeling unwell, please let me know as soon as possible, so that we can work on appropriate accommodations. If you have tested positive for COVID-19, you are encouraged to report your results to covidaction@utep.edu, so that the Dean of Students Office can provide you with support and help with communication with your professors. The Student Health Center is equipped to provide COVID-19 testing.

The Center for Disease Control and Prevention recommends that people in areas of substantial or high COVID-19 transmission wear face masks when indoors in groups of people. The best way that Miners can take care of Miners is to get the vaccine. If you still need the vaccine, it is widely available in the El Paso area, and will be available at no charge on Campus during the first week of classes. For more information about the current rates, testing, and vaccinations, please visit epstrong.org.

HUMAN ANATOMY & PHYSIOLOGY II**Course Syllabus**

<u>Date</u>	<u>Topic</u>
January 18	Introduction and Course Information
January 20	Blood: Composition & Functions
January 25	Blood: Composition & Functions
January 27	Blood: Hemostasis & Coagulation
February 1	Transfusion and Blood Replacement
February 3	Heart Anatomy
February 8	Heart Physiology
February 10	Heart Physiology
February 15	*EXAM 1
February 17	Cardiac Output
February 22	Cardiac Output
February 24	Overview of Blood Vessel Structure and Function
March 1	Physiology of Circulation
March 3	Physiology of Circulation and Circulatory Shock
March 8	*EXAM 2
March 10	Blood Velocity and Capillary Dynamics
March 15	Spring Break (No Classes)
March 17	Spring Break (No Classes)
March 22	Lymphatic System
March 24	Lymphatic System, and Inflammation
March 29	Regulation of Body Temperature, and Fever
March 31	Functional Anatomy of the Respiratory System
April 5	*EXAM 3
April 7	Mechanics of Breathing, and Gas Exchanges between the Blood, Lungs, and Tissues

April 12	Transport of the Respiratory Gases by Blood, and Control of Respiration
April 14	Anatomy of the Urinary System
April 19	Anatomy of the Urinary System
April 21	Physiology of the Urinary System
April 26	*EXAM 4
April 28	Physiology of the Urinary System
May 3	Fluid, Electrolyte, and Acid - Base Balance
May 5	Fluid, Electrolyte, and Acid - Base Balance

*** THE ABOVE ARE TENTATIVE EXAM DATES: Subject to Change according to the progress of the material and benefit to the Students**

Final Exam: Tuesday May 10th, 2022, from 4:00pm to 6:45pm.