

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

Biology 2313 (CRN 23864)

Spring 2019

HUMAN ANATOMY & PHYSIOLOGY II

Course Outline

INSTRUCTOR: Dr. Zaineb Al-Dahwi

Office: Biology 104

Office Hours: Tuesdays, and Thursdays: 10:30 a.m. - 11:30 a.m. Or by appointment

Phone: 747-8762

E-mail Address: zaineb@utep.edu

COURSE PERIOD: Tuesday January 22, 2019 - Thursday May 09, 2019

COURSE MEETINGS AND LOCATION: Tuesdays, and Thursdays: 4:30 to 5:50 pm in the Undergraduate Learning Center Building, room # 128

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.

A scantron (= form # 882-E-LOVAS or form # 882-E, narrow green) is required for **all** exams.

HONORS CREDIT and EXTRA CREDIT:

Honors Credit: This course could be contracted for honors. A topic related to homeostatic imbalances (= pathological disorders) in the chapters of the assigned class material in the syllabus could be chosen, and turned in as a research paper. Individual honors research paper should be supported by a minimum of three scientific **review** journal articles. The paper should be at least 20-25 pages in length. Copies of the journal articles should be turned in with the paper. Five points will be added to the **Class Final Exam grade** of the student who will contract the course for honors. The research paper is due on Thursday May 9th, 2019.

Extra Credit Paper: Extra credit points could be earned by writing a research paper on an homeostatic imbalance chosen from the topics covered in class. A group of a minimum of 5 students should turn in the title of their topic with the name of each student and his/her 800 UTEP ID # for approval. Submission of the topic title electronically will not be accepted. The deadline for approval of the topic is Thursday April 11th, 2019. No addition of group members will be allowed after the approval deadline. Each group member should **turn in and use** at least three scientific **review** journal articles as references for the paper. The paper should be at least 35-40 pages in length. Each group member will earn five points that will be added to his/her **Class Final Exam grade**. The paper should be turned in on Thursday May 9th, 2019. Late Submissions will **NOT** be accepted.

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 5th, 2019. **The lecture and lab must be dropped separately. Dropping from one does not automatically drop the student from the other.** **NOTE:** Faculty-initiated drops will **NOT** be processed after April 5th, 2019.

ASSESSMENT OF COURSE OBJECTIVES: Completion of this course enables the student to become very well acquainted with the details of the 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.

HUMAN ANATOMY & PHYSIOLOGY II**Course Syllabus**

<u>Date</u>	<u>Topic</u>
January 22	Introduction and Course Information
January 24	Blood: Composition & Functions
January 29	Blood: Composition & Functions
January 31	Blood: Hemostasis & Coagulation
February 5	Transfusion and Blood Replacement
February 7	Heart Anatomy
February 12	Heart Physiology
February 14	Cardiac Output
February 19	*EXAM 1
February 21	Cardiac Output
February 26	Overview of Blood Vessel Structure and Function
February 28	Physiology of Circulation
March 5	Physiology of Circulation
March 7	Blood Flow Through Body Tissues
March 12	*EXAM 2
March 14	Blood Flow Through Capillaries and Capillary Dynamics, and Circulatory Shock
March 19	Spring Break (No Classes)
March 21	Spring Break (No Classes)
March 26	Lymphatic System
March 28	Lymphatic System, and Inflammation
April 2	Regulation of Body Temperature, and Fever
April 4	Functional Anatomy of the Respiratory System
April 9	*EXAM 3
April 11	Mechanics of Breathing, and Gas Exchanges between the Blood, Lungs, and Tissues

April 16 Transport of the Respiratory Gases by Blood, and Control of Respiration
April 18 Anatomy of the Urinary System

April 23 Physiology of the Urinary System
April 25 Physiology of the Urinary System

April 30 ***EXAM 4**
May 2 Regulation of Urine Concentration and Volume

May 7 Fluid, Electrolyte, and Acid - Base Balance
May 9 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 14th, 2019, from 4:00pm to 6:45pm.