

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

Biology 2313 (CRN 27487)

Spring 2018

**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

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**COURSE PERIOD:** Tuesday January 16, 2018 - Thursday May 03, 2018

**COURSE MEETINGS AND LOCATION:** Mondays, and Wednesdays: 4:30 to 5:50 pm in the Physical Science Building, room # 208

**PREREQUISITE COURSES:** Biology 1305 and Biology 1107

**REQUIRED TEXTBOOK:** Human Anatomy and Physiology by Elaine N. Marieb, and Katja Hoehn, Tenth 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 Wednesday May 2<sup>nd</sup>, 2018.

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 Wednesday March 28<sup>th</sup>, 2018. 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 Wednesday May 2<sup>nd</sup>, 2018. 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 Thursday, March 29<sup>th</sup>, 2018. **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 March 29<sup>th</sup>, 2018.

**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](mailto: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](http://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**

| <b><u>Date</u></b> | <b><u>Topic</u></b>   |
|--------------------|---|
| January 17         | Introduction and Course Information   |
| January 22         | Blood: Composition & Functions  |
| January 24         | Blood: Composition & Functions  |
| January 29         | Blood: Hemostasis & Coagulation   |
| January 31         | Transfusion and Blood Replacement   |
| February 5         | Heart Anatomy   |
| February 7         | Heart Physiology  |
| February 12        | <b>*EXAM 1</b>  |
| February 14        | Cardiac Output  |
| February 19        | Overview of Blood Vessel Structure and Function                                 |
| February 21        | Physiology of Circulation   |
| February 26        | Physiology of Circulation   |
| February 28        | <b>*EXAM 2</b>  |
| March 5            | Blood Flow Through Body Tissues   |
| March 7            | Blood Flow Through Capillaries and Capillary Dynamics, and Circulatory Shock    |
| March 12           | Spring Break ( <b>No Classes</b> )  |
| March 14           | Spring Break ( <b>No Classes</b> )  |
| March 19           | Lymphatic System  |
| March 21           | Lymphatic System, and Inflammation  |
| March 26           | <b>*EXAM 3</b>  |
| March 28           | Regulation of Body Temperature, and Fever                                       |
| April 2            | Functional Anatomy of the Respiratory System                                    |
| April 4            | Mechanics of Breathing, and Gas Exchanges between the Blood, Lungs, and Tissues |

|          |   |
|----------|---|
| April 9  | Transport of the Respiratory Gases by Blood, and Control of Respiration |
| April 11 | Anatomy of the Urinary System   |
| April 16 | <b>*EXAM 4</b>  |
| April 18 | Physiology of the Urinary System  |
| April 23 | Physiology of the Urinary System  |
| April 25 | Regulation of Urine Concentration and Volume                            |
| April 30 | Fluid, Electrolyte, and Acid - Base Balance                             |
| May 2    | 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: Monday May 7<sup>th</sup>, 2018, from 4:00pm to 6:45pm.**