

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

Biology 4388 (CRN 17947)

Fall 2016

MAMMALIAN PHYSIOLOGY

Course Outline

INSTRUCTOR: Dr. Zaineb Al-Dahwi

Office: Biology 104

Office Hours: Mondays, and Wednesdays: 11:00 a.m.-12:00 p.m. Or by appointment

Phone: 747-8762

E-mail Address: zaineb@utep.edu

COURSE PERIOD: Monday August 22, 2016 - Thursday December 01, 2016

COURSE MEETINGS AND LOCATION: Mondays, and Wednesdays: 2:30 – 3:50 pm in the Undergraduate Learning Center Building, room # 346

REQUIRED TEXTBOOK: *Principles of Animal Physiology* by Moyes and Schulte, Second Edition, Pearson Benjamin and Cummings.

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 pathological disorder related to the material covered in class could be chosen, turned in as a research paper, and presented to the class. 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. Ten points will be added to the **Class Final Exam grade** of the student who will contract the course for honors.

Extra Credit Paper: Extra credit points could be earned by writing and presenting a research paper on a pathological disorder 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 October 26th, 2016. 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 ten points that will be added to his/her **Class Final Exam grade**. The paper should be turned in on Monday November 28th, 2016. Late Submissions will **NOT** be accepted.

The Honors Credit and Extra Credit 10-minute presentations will be scheduled for the last meeting of the class (Wednesday November 30th, 2016).

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, October 28th, 2016.** **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 October 28th, 2016.

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.

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Course Syllabus

Topics:

- Chapter 3 Cell Signaling and Endocrine Regulation
- Chapter 4 Neuron Structure and Function
- Chapter 5 Cellular Movement and Muscles
- Chapter 8 Circulatory Systems
- Chapter 9 Respiratory Systems
- Chapter 10 Ion and Water Balance
- Chapter 11 Digestion
- Chapter 13 Thermal Physiology
- Chapter 14 Reproduction

Exam Dates:

*First Exam: September 26th, 2016

*Second Exam: October 17th, 2016

*Third Exam: November 7th, 2016

*Fourth Exam: November 21st, 2016

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

Final Exam: Time, day, and location, will be announced during the semester

Important Dates:

September 5: Labor Day (No Classes)

November 24 - 25: Thanksgiving Holidays (No Classes)

December 2: Dead Day (No Classes)