

Biology 5320 (#18212): Endocrinology (Graduate)
Mon / Wed 5:30 – 7:00 p.m. CRBL C301

Instructors: Dr. Bruce Cushing
Office hours: By appointment.
Office location: Biosciences 2.118
Phone: (915) 747-8894
Email: bcushing@utep.edu (best way to reach me)

Dr. Kristin Gosselink
Office hours: Tue, 1:00 - 3:00 p.m., or by appointment.
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Email: kgosselink@utep.edu (best way to reach me)

Text: *None* – materials and readings will be assigned **Prerequisites:** Graduate student in good standing

Objective:

This graduate course is designed to provide students with relevant knowledge in systems-level endocrinology and the homeostatic, clinical and behavioral conditions influenced by the endocrine system, but will also incorporate cellular and molecular endocrine concepts. Mammalian systems will be the principal focus, but comparative aspects will also be considered, as will clinical applications. We will study hormone sources, actions and effects, feedback and other control systems, and endocrine research methods and findings. The knowledge gained in this course will provide an appropriate framework for students interested in pursuing careers in education, research, or the medical or allied health professions.

Learning Outcomes:

At the end of this course, the student should be able to:

- 1) explain the sources, functions, and mechanisms of the major hormones, including how they affect physiology and homeostasis;
- 2) apply their knowledge of endocrine systems to research and/or clinical questions;
- 3) identify, interpret and discuss published endocrine data; and
- 4) demonstrate strong oral and written communication skills in presenting endocrine information to peers and instructors.

Graded assignments:

There will be two take-home exams during the semester – due September 27 and November 15.

A total of 10 quizzes will be given at the beginning of class on scheduled days throughout the semester, and the TWO lowest of these 10 grades will be dropped (only 8 will count in your final grade). If you miss a quiz, it will be recorded as a “0” and can be one of your dropped grades – no make-up quizzes will be given.

One oral presentation per students will be delivered to the class. Dates, topics, and more information about this presentation will be provided at a later date.

Any request for re-evaluation of quiz or exam questions must be made within 1 week of the date the graded assignment is returned to the student.

Class Schedule:

A schedule of lecture topics and the required readings for those lectures is provided on a separate page. This schedule also includes exam dates and other due dates for the semester.

Points available:	2 exams x 100 points each	200 points
	8 quizzes x 15 points each	120 points
	Attend/Partic/Professionalism	80 points
	<u>1 presentation</u>	<u>100 points</u>
	TOTAL:	500 points

Grading: Letter grades for this course will be assigned as follows:

90-100%	A	60-69%	D
80-89%	B	59% or less	F
70-79%	C		

Academic Dishonesty and Expected Behavior:

Students at UTEP are expected to behave in a manner that supports the integrity of the academic system. Cheating, plagiarism and collusion are prohibited, and will result in disciplinary action. Such behaviors include, but are not limited to: copying the work of another student, providing answers to another student, and having inappropriate materials during an exam. Violations will be reported to the Dean of Students.

Drs. Cushing and Gosselink will have **zero tolerance** for plagiarism in this class. Specific instructions will be given for exams and assignments, but students are also advised to visit www.plagiarism.org.

Attendance, participation and professionalism will factor into your grade. It is expected that all students will arrive prepared and on time, will participate effectively in the discussions, and will respect each other as well as the information and viewpoints expressed by other members of the class. Each unexcused absence will result in a single letter grade reduction in your overall grade. In addition, three late arrivals (by 15 min or more) to class will be viewed as equivalent to one unexcused absence.

Drop date: To receive an automatic “W”, the last day to drop or withdraw from this class is **November 2**. After this date, a “W” can only be assigned by the Dean of the College of Science, and is only granted under exceptional circumstances. Also remember that courses may only be repeated a total of 3 times, and a “W” counts as one.

Need help with academic, career, or personal issues? These people are ready to help!

University Counseling Center	202 Union West	747-5302
Ctr for Accom and Special Srvcs (CASS)	106 Union East	747-5148
University Career Center	103 Union West	747-5640