

TRINITY COLLEGE

BIOL 219: ENDOCRINOLOGY

Lecture Instructor: Dr. Gisela Sulkowski
Contact Number: 703-380-9440
Email: gisela.sulkowski@trincoll.edu
Lecture time/location: MW 2:00-3:15pm, MH 214A

Weeks in length: 13
Format: Lecture
Lecture meeting duration: 1 hour 15 minutes
Office hours: Mon. 3:15-5:15pm LSC 336
or via appointment

Course Description

This course provides an overview of human endocrinology. It will review the molecular and cellular interactions of hormones. Course topics include the anatomy of endocrine organs, classification of hormones, and biosynthesis/secretion pathways within particular endocrine organs. It will also cover the mechanisms of receptor-mediated activity and target tissue interactions as well as regulation. 4 credits.

Required Resources

1. Required Textbook: Hormones (3rd Edition) by Anthony W. Norman, Helen L. Henry. ISBN: 978-0123694447
2. Recommended Textbook: Human Anatomy & Physiology (11th Edition) by Elaine N. Marieb, Katja N. Hoehn. ISBN: 978-0134580999
3. Poll Everywhere
4. Access to Moodle
5. Active Trinity email account

Grading Policies & Procedures

Course component	% Contribution to final grade
Quiz/activities	30
Attendance/ participation	10
Lecture exams 1	20
Lecture exams 2	20
Lecture exams 3	20
Total	100

Letter	Percent
A+	≥98
A	93-98
A-	92-90
B+	89-87
B	86-83
B-	82-80
C+	79-77
C	76-73
C-	72-70
D+	69-67
D	66-63
D-	62-60
F	≤59

- **Lecture quizzes:** Quizzes will be completed during class or after each class period through Moodle. Activities will be introduced at the beginning of class and may include worksheets, writing or other activities.
- **Lecture exams:** There will be three lecture exams. Each will contain material from the current unit/s being studied and feature a variety of question formats. The final exam will be cumulative.
- **Attendance/participation:** The course will cover clinical aspects relevant to each endocrine organ through case studies and discussion questions. Attendance and participation is expected specially during the discussion questions.

Tentative Schedule of Lab Activities

This plan is subject to change at instructor's discretion. Changes will be announced in class & uploaded on Moodle.

Date	Lecture Topics	Assigned Reading
Sept 7	Introduction to Endocrinology	
Sept 9	Chapter 1: Hormones: An Introduction	1-8
Sept 14	Chapter 1: Hormones: An Introduction	9-17
Sept 16	Chapter 3: The Hypothalamus & Anterior Pituitary	55-60
Sept 21	Chapter 3: The Hypothalamus & Anterior Pituitary	61-66
Sept 23	Chapter 3: The Hypothalamus & Anterior Pituitary	66-70
Sept 28	Chapter 3: The Hypothalamus & Anterior Pituitary	70-77
Sept 30	Chapter 4: Posterior Pituitary Hormones	81-87
Oct 5	Review/Case studies	
Oct 7	Exam 1 (Chapters 1, 3, & 4)	
Oct 12	Chapter 5: Thyroid Hormones	89-94
Oct 14	Chapter 5: Thyroid Hormones	95-100
Oct 19	Chapter 5: Thyroid Hormones Chapter 10: Adrenal Corticoids	101-104 223-224
Oct 21	Chapter 10: Adrenal Corticoids	225-230
Oct 26	Chapter 10: Adrenal Corticoids Chapter 12: Androgens	231-234 255-256
Oct 28	Chapter 12: Androgens	257-262
Nov 2	Chapter 12: Androgens	263-268
Nov 4	Chapter 12: Androgens Review day	269-272
Nov 9	Exam 2 (Chapters 5, 10, & 12)	
Nov 11	Chapter 13: Estrogens & Progestins	275-283
Nov 16	Chapter 13: Estrogens & Progestins	284-293
Nov 18	Chapter 14: Hormones of Pregnancy, Parturition & Lactation	297-305
Nov 23	No class	
Nov 25	No class	
Nov 30*	Chapter 14: Hormones of Pregnancy, Parturition & Lactation	306-314
Dec 2*	Chapter 15: Hormones Related to the Kidney & Cardiovascular System	321-329
Dec 7*	Chapter 15: Hormones Related to the Kidney & Cardiovascular System	330-335, 343-346
Dec 9*	Chapter 16: The Pineal Gland	351-360
Dec 15-21	Exam 3 (Chapters 13-16)	

* Classes will resume remotely. Students must have reliable Wifi access and be able to use Zoom.

University and Course Policies

1. EVERYONE MUST WEAR A MASK DURING CLASS AND MAINTAIN SIX FEET APART from other students and professor.
2. THERE WILL BE NO MAKEUP EXAMS
 - 2.1. Should the very rare case of emergency or other extenuating circumstance beyond your control force you to be absent during an exam, **you must email the professor prior to or during the day of the exam**
 - 2.2. Supporting formal documentation (hardcopies only) providing evidence regarding the reason for your absence during an exam must be date appropriate and submitted to the professor within two working days of the exam date
 - 2.3. These rules must be adhered to before the professor will *consider* rescheduling an exam, no exceptions and no guarantees
3. THERE WILL BE NO MAKEUP QUIZZES
 - 3.1. Supporting formal documentation (hardcopies only) providing evidence regarding the reason for your absence during an exam must be date appropriate and submitted to the professor within two working days of the quiz date

4. **THERE WILL BE NO EXAM RETAKES ALLOWED**
5. CELL PHONE USE DURING CLASS TIME IS STRICTLY PROHIBITED
 - 5.1. Cell phones must be silenced and put away (i.e. not on your desk, not in your lap)
 - 5.2. You will receive one warning should you abuse this rule. You will be dismissed from class and docked one percentage point from your final exam for each subsequent occurrence
6. CONDUCT YOURSELF IN A PROFESSIONAL MANNER
 - 6.1. You will treat all faculty, staff, and students with respect at all times
 - 6.2. Your professionalism must translate into all correspondence
 - 6.2.1. Be mindful of language when composing an email, calling, or meeting with your professor. What is your intention or purpose for correspondence? Are you communicating that purpose in a polite and professional way?
 - 6.2.2. 'Texting' style language is never appropriate when communicating with your superiors, neither is use of foul language, immaturity, or otherwise needless complaining
 - 6.2.3. Emails should be grammatically correct and communicating concisely and accurately
 - 6.2.4. It is in your best interest to include your full name and section number within your email
 - 6.3. Your professionalism must translate into being punctual
 - 6.3.1. You will be on time to class and remain until dismissed
 - 6.3.2. You will not be allowed to take an exam if you are more than 15 minutes late**
 - 6.3.3. You will not discuss exam material to others during or after exams**
7. EXTRA CREDIT WILL NOT BE AWARDED ON AN INDIVIDUAL BASIS
8. Check our online course management system frequently
 - 8.1. Class documents, announcements and/or grades will be posted online
 - 8.1.1. While no new information will be posted (ie, the same information will be provided to you in lecture), it does provide you with an additional venue for reviewing class information.
9. There will be **no curved or dropped grades**
10. You are to attend your lecture section only.
11. Laptop computers are allowed for note-taking purposes only
 - 11.1. You will receive one warning should you abuse this rule. You will be dismissed from class and docked one percentage point from your final exam for each subsequent occurrence
12. You must alert the professor if you plan to audio-record lectures
13. Video-recording or photography during lectures is strictly prohibited
14. Cheating in any form is not tolerated and will have penalty (see "Academic honesty" below)
15. Regular attendance is expected
 - 15.1. Attendance is mandatory
 - 15.2. If you miss class for any reason, it is your responsibility to notify the instructor at the earliest possible opportunity, ideally before you miss class, and provide documentation for your absence.
 - 15.3. If you are absent for any reason, it is your responsibility to gather all missed materials from your classmate(s)
16. Asking for an unwarranted exception to any policy is like asking to be treated differently than your classmates
17. The professor of this course reserves the right to change any part of this syllabus at any time
18. **Special accommodations:** *Trinity College provides reasonable accommodations in accordance with the Americans with Disabilities Act, the ADA, and Section 504 of the Rehabilitation Act, for students with documented disabilities on an individualized basis. If you are a student with a documented disability, the College's Student Accessibility Resource Center can work with you to determine appropriate accommodations. Before you receive accommodations in this class, you will need to make an appointment with the Student Accessibility Resource Center coordinator Lori Clapis at Lori.Clapis@trincoll.edu. To discuss your approved accommodations with me or other concerns, such as medical emergencies or arrangements in case the building must be evacuated, please make an appointment to meet as soon as possible.*
19. **Academic honesty:** *The integrity of scholarship is the cornerstone of the academic and social structure of the college. It is the expressed policy of the college that every aspect of academic life, related in whatever fashion to the college, shall be conducted in an absolutely and uncompromisingly honest manner. Violations of academic honesty are grounds for a failing grade, failing the course, academic probation and/or dismissal depending on the severity. All instances of academic dishonesty will be reported to the Department Chair, at The Dean of Students Office. By enrolling in this course, you agree to maintain the highest standard of academic integrity, in accordance with the Trinity College Student Integrity Contract.*

IMPORTANT! Please read this syllabus carefully. Should you have any questions or concerns with any information stated above, please express them immediately to the professor. Otherwise, in reading the above, you agree and will comply with all that is stated

