

BIOL 432 AO1 (CRN 20420)

Molecular Endocrinology

Spring 2021

Tues/Wed/Fri 11:30 am - 12:30 pm

Location: Online TopHat, Zoom and Brightspace

Lecture: Live online TopHat and Zoom Tues/Wed/Fri 11:30 am - 12:30 pm

Lectures will be Synchronous (live) and recorded (Open Book E (0 g 0 G [(Open Book)5(E (0 g 0 G

each class. You may choose to print the slides and add notes to them during class. Please check Brightspace regularly, as this is where course announcements will be posted.

Top Hat:

We will be using TopHat as an additional resource. TopHat will be worth 10% where 4% are bonus participation marks and 6% are a graded part of the course total. Review questions, a discussion of a scientific paper, and in-class questions will be posted using this site. It is recommended that all students purchase a TopHat account. You can also post questions to us on TopHat.

You can visit <https://tinyurl.com/StudentStartGuide> for Top Hat's Student Quick Start Guide which outlines how you will register for a Top Hat account, as well as providing a brief overview to get you up and running on the system. Also, <https://support.tophat.com/s/> is a great way to get a lot of information as there is a wide variety of articles uploaded there that can help.

Once you have registered and entered in your subscription code, your course can be directly accessed via the following:

Top Hat course name: Biology 432: Molecular Endocrinology - Spring 2021
Direct URL: <https://app-ca.tophat.com/e/582700>
6-digit course code: 582700

Course Text:

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text is recommended, but not required. This text is now available in a digital format and is a medical text with extensive clinical information. If you intend to continue studying in the field of endocrinology, it would be a good reference text for you to own. We will NOT be covering all the material in the text. The primary source of information will be the lecture slides covered in class. Two copies of the 8th edition of the textbook are on reserve in the library. There also may be second hand copies of the 8th edition which is very similar, available from the Used Book Store.

Journal Article s:

Journal articles will be assigned, and some class time will be allocated to going over the papers and taking questions. Short answer questions on each journal article will be tested on the midterms and final exam. Only articles given in a specific section will appear on the exams. For example, you will be responsible for at least 1 article for the first midterm, a different article for the second midterm, and different articles on the final. More details regarding the journal articles and sample exam questions will be available on Moodle Course Spaces. One journal article discussion question will be posted in TopHat and your response will be graded for bonus marks.

Course Evaluation:

35% Midterm ±Friday February 12th using TopHat at Biology 432: Exams for Molecular Endocrinology - Spring 2021

TopHat Link <https://app-ca.tophat.com/e/117395> (Open Book Exam)

(50 min online, cumulative, includes journal article questions, and will be made up of multiple choice, fill in the blanks, and short answer questions). If the midterm is missed with a medical excuse, there will be a makeup exam at a scheduled date. If you feel that we should be made aware of any special circumstances or accommodations for your participation in the course, please notify us (see below).

55% Final exam - Date TBA, during the exam period between Thurs Apr 15 -Tues Apr 27 (Open Book Exam)

3 hours, cumulative only in the sense that we build on concepts established before the first midterm,

emphasizes material after the midterm, includes journal articles (but only for artic

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Provisional Lecture Schedule 2021 (changes will be necessary)

Week 1: SEMESTER STARTS TUES JAN 12 END FRI APR 9 2021

1. Tues Jan 12. Introductions/Outline/Endocrine Overview ±Wagner, Walter
2. Wed Jan 13. Endocrine Overview ±Walter
3. Fri Jan 15. Endocrine overview - Hormone Mechanisms ±Walter

Week 2:

4. Tues Jan 19. Hormone Mechanisms ±Walter
5. Wed Jan 20. Hormone Mechanisms

Week 10: