

# CHEMISTRY 401 SYLLABUS - SPRING 2020

## CHEMICAL BIOLOGY SEMINAR

**Instructor:** Professor Mo Hunsen  
hunsenm@kenyon.edu  
Tomsich 310,  
740-427-5091

**Office Hours:** T 12-2 pm; R 12-2 pm; or by drop-in/appointment.

**Chemical biology:** Chemical biology is a scientific discipline at the interface of chemistry and biology. This seminar explores the applications of chemical techniques to manipulate and investigate biological systems. Using resources including current literature, this course covers the chemical techniques and tools used to understand and treat diseases such as cancer and viral, microbial, and neurodegenerative diseases.

**Materials:** This course heavily utilizes current literature. The required reading materials will be provided by me.

<b>Point Distribution:</b>	Oral and written reports	35%
	Final Exam	30%
	Class/Seminar ACTIVE participation	35%
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	Total	100%

**Goals:** This course covers selected topics in chemical biology with an emphasis on current scientific research and literature. By the end of the semester you should be able to read and understand a large amount of the current published original research in chemical biology.

**Learning Goals:** Students will:

1. Understand the basic principles and approaches of chemical biology.
2. Be able to critically read and understand current published original research articles in chemical biology.
3. Give effective presentations based on a published primary articles in chemical biology.

**Team Project:** A team project that focuses on topics relevant to that covered in class will be assigned. The deliverables include an oral presentation and a report (approximately 4-6

typewritten pages). The report is to be typewritten using the template provided by the instructor and will be due a week after your in-class presentation.

**Attendance:** Chemical biology lecture is a science that continually builds upon topics covered in class. Therefore, other than excused absences, class attendance is mandatory.

**Reports and Exams:**

- You will give short oral presentations throughout the semester and lead a discussion on an assigned article.
- For your group project, you will select a topic and at least two articles in consultation with me. Copies of the two articles should be made available (to me and the rest of the students) a week before your oral presentation. The written review should be submitted one-week after your presentation.
- The final exam is a take-home exam due at the beginning of the scheduled exam time for the course.

**Academic Integrity:** At Kenyon we expect all students, always, to submit work that represents the highest standards of academic integrity. It is the responsibility of each student to learn and practice the proper ways of documenting and acknowledging those whose ideas and words they have drawn upon (see Academic Honesty and Questions of Plagiarism in the Course Catalog). Ignorance and carelessness are not excuses for academic dishonesty. If you are uncertain about the expectations for this class, please ask for clarification.

**Electronic Device Policy:** Active participation and full engagement is critical for your success in this course. As such all electronic devices should be turned off before the beginning of every lecture.

**Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990:** Students who anticipate they may need accommodations in this course because of the impact of a learning, physical, or psychological disability are encouraged to meet with me privately early in the semester to discuss their concerns. In addition, students must contact Erin Salva, Director of Student Accessibility and Support Services (740-427-5453 or [salvae@kenyon.edu](mailto:salvae@kenyon.edu)), as soon as possible, to verify their eligibility for reasonable academic accommodations.

**Title IX Responsibilities:** As a faculty member, I am deeply invested in the well-being of each student I teach. I am here to assist you with your work in this course. If you come to me with non-course-related concerns, I will do my best to help. It is important for you to know that all faculty members are mandated reporters of any incidents of harassment, discrimination, and intimate partner violence and stalking. Meaning, I cannot keep information involving sexual harassment, sexual misconduct, interpersonal violence, any other form of harassment or

discrimination based on a protected characteristic confidential. The Health and Counseling Center, the College chaplains, and the staff at New Directions Domestic Abuse Shelter & Rape Crisis are confidential resources.

*This syllabus is subject to change at my discretion. I will notify you of any changes in class and/or by email.*