

**Course Subject, Number and Title**

Chemistry 843, Chemical structure and reactivity of biological molecules

Credits

2

Course Designations and Attributes

Graduate

Meeting Time and Location

Chemistry 2373, MW 2:25-3:15

Instructional Mode

Face-to-face

Specify how Credit Hours are met by the Course

Two 50-min lectures per week, and regularly assigned readings (from the primary scientific literature) that require at least 2 hours per week. Occasional assignments as well.

INSTRUCTORS AND TEACHING ASSISTANTS**Instructor Title and Name**

Sam Gellman, Professor

Instructor Availability

By appointment

Instructor Email/Preferred Contact

gellman@chem.wisc.edu

OFFICIAL COURSE DESCRIPTION**Course Description**

Chemical structure and reactivity of biological molecules.

Requisites

Graduate or professional standing

LEARNING OUTCOMES

Course Learning Outcomes

Students will learn how to read the primary scientific literature in the chemical biology area. In addition, students will learn how to view this literature from the perspective of the scientific method. This understanding should help maximize performance in their own research and scholarship directed toward the doctorate. Additional learning will involve effective methods of scientific communication.

GRADING

- **Indicate how the course is graded and relative weights of assessments**

Grades will be based on in-class participation (discussion of readings; 50%) and performance on assignments (50%).

ACADEMIC INTEGRITY

By enrolling in this course, each student assumes the responsibilities of an active participant in UW-Madison's community of scholars in which everyone's academic work and behavior are held to the highest academic integrity standards. Academic misconduct compromises the integrity of the university. Cheating, fabrication, plagiarism, unauthorized collaboration, and helping others commit these acts are examples of academic misconduct, which can result in disciplinary action. This includes but is not limited to failure on the assignment/course, disciplinary probation, or suspension. Substantial or repeated cases of misconduct will be forwarded to the Office of Student Conduct & Community Standards for additional review. For more information, refer to studentconduct.wiscweb.wisc.edu/academic-integrity/.

ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES

McBurney Disability Resource Center syllabus statement: "The University of Wisconsin-Madison supports the right of all enrolled students to a full and equal educational opportunity. The Americans with Disabilities Act (ADA), Wisconsin State Statute (36.12), and UW-Madison policy (Faculty Document 1071) require that students with disabilities be reasonably accommodated in instruction and campus life. Reasonable accommodations for students with disabilities is a shared faculty and student responsibility. Students are expected to inform faculty [me] of their need for instructional accommodations by the end of the third week of the semester, or as soon as possible after a disability has been incurred or recognized. Faculty [I], will work either directly with the student [you] or in coordination with the McBurney Center to identify and provide reasonable instructional accommodations. Disability information, including instructional accommodations as part of a student's educational record, is confidential and protected under FERPA." <http://mcburney.wisc.edu/facstaffother/faculty/syllabus.php>

DIVERSITY & INCLUSION

Institutional statement on diversity: “Diversity is a source of strength, creativity, and innovation for UW-Madison. We value the contributions of each person and respect the profound ways their identity, culture, background, experience, status, abilities, and opinion enrich the university community. We commit ourselves to the pursuit of excellence in teaching, research, outreach, and diversity as inextricably linked goals.

The University of Wisconsin-Madison fulfills its public mission by creating a welcoming and inclusive community for people from every background – people who as students, faculty, and staff serve Wisconsin and the world.” <https://diversity.wisc.edu/>