
Tuesday/Thursday 8:00 - 9:15am (Monteith 320, Section 2) 11:00 - 12:15pm (Monteith 421, Section 3)

This syllabus contains the policies and expectations that the instructor has established for this course. Please read the entire syllabus carefully before continuing in this course. These policies and expectations are intended to create a productive learning atmosphere for all students. Unless you are prepared to abide by these policies and expectations, you risk losing the opportunity to participate further in the course.

Instructor: Prof. Matthew Badger (matthew.badger@uconn.edu)

Office: Monteith 326

Office Hours: Mondays 12:00-1:00pm, Tuesday/Thursdays 9:30–10:30am, and by appointment

Not available after 1pm on Mondays and after 1pm on Fridays

Official Course Description: Systems of equations, matrices, determinants, linear transformations on vector spaces, characteristic values and vectors, from a computational point of view. The course is an introduction to the techniques of linear algebra with elementary applications.

Required Resources

- **Course Webpage:** <https://badger.math.uconn.edu/> → Link to Math 2210Q, Sections 2 and 3 (for course syllabus)
- **HuskyCT:** huskyct.uconn.edu — for class announcements, suggested homework problems, and grade sheet
- **Textbook:** **Linear algebra and its applications, 5th edition, David C. Lay**, Steven R. Lay and Judi J. McDonald. ISBN-13: 978-0321982384. Chapters 1–7

About Attendance

Students are expected to regularly attend and participate in lectures. Your effort will help make the class better for everyone.

Homework

Suggested reading and homework problems will be posted on HuskyCT, but neither collected nor graded. Repeated practicing solving problems is the best way to master the course material. You are encouraged to work with fellow classmates when working on homework problems.

Graded Components

- **Midterm**

There will be three midterm exams in class. The dates for the midterms are Tuesday, September 24; Tuesday, October 22; and Tuesday, November 19. There will be no make-ups for missed midterms. Instead, if you miss a midterm, your final exam grade will be substituted.

- **Final Exam**

There will be one comprehensive final exam during finals week as scheduled by the Registrar. Date to be announced.

The *final grade* for the class will be based on your course average (see below) and your progress in the course. Your *course average* will be determined by the following calculation:

- 60% Midterms (20% each), 40% Final Exam

If you do better on the final exam than on the midterms, this will *positively effect* your final grade.

Disability Support Services

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact the Center for Students with Disability: <https://csd.uconn.edu/>. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Academic Integrity

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report any suspected instance of academic dishonesty to Community Standards. For more comprehensive information on academic integrity, please refer to the Undergraduate Academic Integrity Policy:

<https://community.uconn.edu/the-student-code-appendix-a/>

Diversity

It is my intent that students from all diverse backgrounds and perspectives be well-served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit.

Additional Resources

- (1) **Q Center:** The University of Connecticut's Quantitative Learning Center (Q Center) is a free resource for students taking quantitative intensive (Q) courses across the undergrad curriculum. They provide direct assistance to students via peer tutoring, review sessions, and the creation of innovative learning tools. During the academic year, their main activities include drop-in peer tutoring Sundays to Fridays on the second floor of the Homer Babbidge Library and review sessions for students in highly populated Q courses. For more information:
<https://qcenter.uconn.edu/>
- (2) **Gilbert Strang's Linear Algebra Lectures:** Gilbert Strang, Professor of Mathematics at Massachusetts Institute of Technology, recorded lectures for MIT's linear algebra course and made them freely available to the public. I recommend them highly for another presentation of the course material:
<https://ocw.mit.edu/courses/mathematics/18-06-linear-algebra-spring-2010/video-lectures/>

Syllabus Revision

The standards and requirements set forth in this syllabus may be modified at any time by the course instructor. Notice of such changes will be by announcement in class and changes to this syllabus will be posted on the course website.