Math 2210Q-007: Applied Linear Algebra
Fall 2026
(Aug 31, 2026- Dec 11, 2026)

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Textbook: Linear Algebra and Its Applications, 6^{th} edition, by *David Lay, Stephen Lay and Judi McDonald.*

Class Webpage: Go to https://huskyct.uconn.edu. Click on "Login" and sign in using your UConn NetID and password. Click on "MATH-2210Q-Applied Linear Algebra-SEC007-1268".

Class Meeting time and place: Tuesdays and Thursdays 9:30am-10:45am, Room 110 (Monteith)

Lecture Slides: Some Slides are prepared for you and are posted at Husky CT. You are strongly encouraged to read these slides in addition to the textbook.

Office hours: Tuesdays and Thursdays 12:20-1:20am in Mont 430 or by appointment

My WebEX Personal Room: https://uconn-cmr.webex.com/meet/gul16109
Sometimes an appointment of meeting through Webex can be made with me in case you have difficulty making the office hours. Please talk to me or email me to make an appointment.

MyLab Math: All the homework assignments, quizzes and exams will be given through Pearson's MyLab Math. It is absolutely necessary for you to get MyLab Math access. You also need to contact the UConn bookstore to gain access of myLab Math and the textbook of this course.

Pearson's Student Registration Instructions accessing MyLab with Blackboard

See instruction posted. **It is extremely important for you to gain access to MyLab Math before the classes start.**

- **COURSE DESCRIPTION:**
  The course is an introduction to the techniques of linear algebra with elementary applications. Topics to be covered: Linear systems of equations and row operations; linear independence, subspace, and spanning sets; inner products, orthogonality, determinants and inverses; Gram-Schmidt procedure, spectral theorem; least squares approximation; characteristic values and vectors, diagonalization; linear transforms, etc.

- **Prerequisites:** The official prerequisites are MATH 1132, 1152, or 2142.

- **QUIZZES:** There will be weekly quizzes given through **myMath Lab using your laptop.** Each quiz will cover the material from the previous lectures up to the date. **Quizzes are given in-person and proctored in the classroom during the regular class hours.**

Every student is required to bring your laptop to the class on the date when a quiz is given in the classroom so that you can take online quizzes in-person.

No make-up quiz will be given under any circumstance. **Your two lowest quiz scores will be dropped.**

You will be notified online or announced in the class in advance when the quiz will be given each week.

Lockdown Browser may be exercised on online quizzes given in the classroom in-person.

- **EXAMS:** There will be **3 Midterm Exams and No Final Exam.** Midterm exams are scheduled on **Thursday, October 1, 2026, and Thursday, November 5, 2026 and Thursday, December 10, 2026.** All exams are given in-person through MyLab Math in the classroom during the regular class time.

  Lockdown Browser will be implemented for the exams.

  Absolutely No remote exams will be allowed.

- **HOMEWORK:** Homework will be assigned and graded through myLabMath. These homeworks are to provide the absolutely necessary practices for you to understand the subject matter covered in the classes. Doing homework problems also prepare you for the quizzes and exams. You are strongly encouraged to work on the assignments thoroughly. You may also work on them collectively in groups if you choose to.

- **Homework Grading:** Homework submitted by the deadline will receive full credit. Homework submitted after the deadline will be subject to a 10% deduction for each day it is late. You will have three attempts for each homework assignment before the deadline.

- **MAKE UP POLICY:** There will be no make-ups for any quiz. Midterm exam make-ups are generally not allowed. In case of extreme illness or extenuating circumstances such as hospitalization or family emergency, the instructor may choose to reschedule at their discretion. University mandated CSD accommodation will be honored. Any request for midterm make-up must be submitted in writing before the exam takes place.

  If you are a student athlete, please let me know during the first week of the course in case your team travel schedule conflicts with a scheduled exam.

- **Special accommodations:** If you are a student-athlete or a student with disabilities, please provide me with a letter from the appropriate office (the Counseling Program for Intercollegiate Athletes (CPIA), or the Center for Students with Disabilities (CSD)) concerning your special needs (e.g. when taking exams), so that I can make appropriate accommodations.

- **GRADING:**

  Homework-10%; Quizzes—25%; First Midterm—20%; Second Midterm 20% and Third Midterm 25%.

- **Letter grade conversion:** The final letter grade will be assigned according to the following conversion rule.

A	93–100	A−	90–93	B+	87–89.99	B	83–86.99	B−	80–82.99	C+	76–79.99
C	73–75.99	C−	70–72.99	D+	67–69.99	D	63–66.99	D−	60–62.99	F	below 60

- **Calculators:** You can use calculators and mathematical software when doing homework, but you should be able to do most problems without a calculator. **Unless otherwise indicated in class, calculators will not be permitted on quizzes and exams.**

- **Academic Integrity:** Integrity is a crucial part of the academic experience. You must observe the University's Academic Integrity Policy as found in the Student Handbook. You may also refer to the following: Important university policies: http://provost.uconn.edu/syllabi-references/

- **OTHER RESOURCES** Help might be available at Q-Center. Further information on Q-Center is available at http://qcenter.uconn.edu/Tutoring/tutoring.php
- You may also watch YouTube Lecture Videos by Professor Paul Cartie at
  `https://youtube.com/playlist?list=PLU2QPsBQN_q3et7QBrDD958bB_NRFzv4E&si=3VUCePSrzJChn-lM`
  or lecture videos by Professor Tom Roby available at
  `https://kaltura.uconn.edu/channel/Math%2B2210Q/168885461`
  You need your UConn NET ID to login to watch this set of videos.

- **DISCLAIMER**
  The instructor reserves the right to make any changes on items stated in this syllabus as long as he thinks academically advisable. Changes will be announced in class. It is student's responsibility to keep up with the changes.