

# Syllabus for MATH 2210 Section 007

## Applied Linear Algebra

<b>Term:</b>	Fall 2023	<b>Instructor:</b>	Michael Biro
<b>Time:</b>	MWF 1:25pm – 2:15pm	<b>E-mail:</b>	michael.biro@uconn.edu
<b>Room:</b>	OAK 112	<b>Office:</b>	MONT 403
<b>Website:</b>	learn.uconn.edu	<b>Hours:</b>	MW 2:30 – 4pm or by appt

**Text:** *Linear Algebra and Its Applications* by David C. Lay.

**Supplemental Material:** Professor Roby has kindly agreed to make his lightboard lectures and course materials available to us. Please see <http://www2.math.uconn.edu/~troby/math2210f18/index.php>

**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.

**Exams:** There will be 2 exams and a cumulative final. Exams will be held in class, and are tentatively scheduled for 10/13 and 11/17, respectively. The final exam will be scheduled by the registrar.

**Homework:** There will be homework assigned and collected in Pearson MyLab. No late homework will be accepted, and the lowest homework score will be dropped.

**Grading:** Based on the homework, the exams, and the final. The weights will be approximately:

- Homework: 20%
- Exam 1: 25%
- Exam 2: 25%
- Final Exam: 30%

**Course Outline:** We will cover the material in approximately this order/timeline, with additional material if time permits:

- Ch 1 – 4 weeks
- Ch 2 – 1 week
- Ch 3 – 1 weeks
- Ch 4 – 3 weeks
- Ch 5 – 2 weeks
- Ch 6 – 3 weeks

**Resources:** The following resources offer tutoring, support, and accommodations for students, as well as a reference for syllabus policies and statements:

- The Q center <https://qcenter.uconn.edu>
- The Dean of Students <https://dos.uconn.edu>
- The Center for Students with Disabilities <https://csd.uconn.edu>
- Syllabus Policies <https://provost.uconn.edu/faculty-and-staff-resources/syllabi-references/>

MATH 2210Q Schedule			
Dates	Week	Sections	
08/28/2023 - 09/01/2023	1	1.1, 1.2	
09/04/2023 - 09/08/2023	2	1.3, 1.4	
09/11/2023 - 09/15/2023	3	1.5, 1.7	
09/18/2023 - 09/22/2023	4	1.8, 1.9	
09/25/2023 - 09/29/2023	5	2.1, 2.2, 2.3	
10/02/2023 - 10/06/2023	6	3.1, 3.2, 3.3	
10/13/23	Exam 1		Chapters 1, 2, 3
10/09/2023 - 10/13/2023	7	4.1, 4.2	
10/16/2023 - 10/20/2023	8	4.3, 4.4, 4.5	
10/23/2023 - 10/27/2023	9	4.6, 4.7	
10/30/2023 - 11/03/2023	10	5.1, 5.2	
11/06/2023 - 11/10/2023	11	5.3, 5.4	
11/17/23	Exam 2		Chapters 4, 5
11/13/2023 - 11/17/2023	12	6.1, 6.2	
11/20/2023 - 11/24/2023	13	Thanksgiving Break	
11/27/2023 - 12/01/2023	14	6.3, 6.4	
12/04/2023 - 12/08/2023	15	6.5	
TBD	Final Exam		Cumulative