



Department of
Mathematics
Franklin College of Arts and Sciences
UNIVERSITY OF GEORGIA

Math 3300 – Applied Linear Algebra
(CRN 54922) Spring 2023 Syllabus

Course Instructor Information

Instructor: Ruiwen Shu
Email: ruiwen.shu@uga.edu

Course Meeting Information

TuTh 12:45-2:00, Boyd Grad Rsch Ctr 0322

Office Hours: TuTh 2:00-3:00
Instructor Office Location: Boyd Grad Rsch Ctr 541

Course Website for this Section: <https://shuruiwen.com/teaching/>
UGA MATH 2250 Website: <https://bulletin.uga.edu/CoursesHome?cid=28109>

Course Prerequisite

MATH 2260 or MATH 2260E or MATH 2310H or MATH 2410 or MATH 2410H or permission of department

Financial Information

You are allowed to use a TI-30 XS Multiview calculator (approximately \$20) during quizzes and exams, although you may not need one. No other calculators are allowed.

Textbook

Linear Algebra and Its Applications, 5th Edition, by Lay, Lay and McDonald
Please pay attention to the '5th Edition': other versions may have different numbering

Homework

Weekly homework is assigned every Thursday, starting from Week 3 (see the last page for schedule). There are 11 homework in total. You should submit your homework during the lecture of the following Thursday. Late homework does not count towards your final grade unless you have a documented emergency.

Quizzes

There are 10-minute quizzes on Tuesdays at the end of lecture, starting from Week 3 (see the last page for schedule). There are 10 quizzes in total. TI-30 XS Multiview calculator is allowed during quizzes (not other models of calculators). You cannot work with your classmates on quizzes. You are not allowed to use any additional resources. If you are unable to take a quiz due to a documented emergency, I will excuse you from that quiz, and it will not count towards your course grade.

Exams

We will have 2 midterm exams and a final exam. Our exams will be closed-note and closed-book; you are allowed to use a TI-30XS Multiview calculator during the exam (not other models of calculators).

Midterm exams will be in-class, as listed below:

Exam 1: Tuesday, Feb. 21 (75 minutes)

Exam 2: Tuesday, Apr. 11 (75 minutes)

Cumulative Mass Final Exam: 2-hour, during the final exam week. Time and location determined by the registrar later in the semester (NOT regular classroom).

If you have three or more exams scheduled during a 24-hour period, you are eligible to request a rescheduled exam; mass exams are to be rescheduled first if possible. See the official UGA policy for details: <https://bulletin.uga.edu/bulletin/ind/finalexam.html>

Make-up exams will be given only in the case of excused absences due to documented emergency situations.

Course Grade

Your numeric grade will be calculated using the following percentages:

Midterm Exams (2)	20% * 2 = 40%
Final Exam	40%
Homework	10%
Quizzes	10%
Total	100%

Letter Grades

Letter grades will be assigned using the following scale:

≥92	89-91	87-88	82-86	79-81	77-78	72-76	69-71	60-68	<60
A	A-	B+	B	B-	C+	C	C-	D	F

Tentative schedule

("Q" for quizzes (Tuesdays), "H" for homework due dates (Thursdays))

Week 1	Jan 9-13	1.1-1.2
Week 2	Jan 16-20	1.3-1.4
Week 3 (Q)	Jan 23-27	1.5, 2.1-2.2
Week 4 (QH)	Jan 30 - Feb 3	2.3, 2.8-2.9
Week 5 (QH)	Feb 6-10	3.1-3.2
Week 6 (QH)	Feb 13-17	4.1-4.3
Week 7 (H)	Feb 20-24	Exam 1 , 4.4-4.5
Week 8 (QH)	Feb 27 - Mar 3	4.6-4.7
Week 9	Mar 6-10 (Spring break)	
Week 10 (QH)	Mar 13-17	5.1-5.2
Week 11 (QH)	Mar 20-24	5.3-5.5
Week 12 (QH)	Mar 27-31	6.1
Week 13 (QH)	Apr 3-7	6.2-6.4
Week 14 (H)	Apr 10-14	Exam 2 , 6.5
Week 15 (QH)	Apr 17-21	7.1-7.2
Week 16	Apr 24-28	7.2, 7.4(not in exam)

Exam 1 content: 1.1-1.5, 2.1-2.3, 2.8-2.9, 3.1-3.2, 4.1-4.3

Exam 2 content: 4.4-4.7, 5.1-5.5, 6.1-6.4

Final exam content: 1.1-1.5, 2.1-2.3, 2.8-2.9, 3.1-3.2, 4.1-4.7, 5.1-5.5, 6.1-6.5, 7.1-7.2