

Introduction to Matrix Theory

Math 4450/5500, Spring 2023, TR 11:00-12:20, Lang 309

ATTENTION: syllabus modified due to 3rd week ice closure

Professor: Conley, GAB 419, conley@unt.edu

Website: www.math.unt.edu/~conley. Please note that there will be no Canvas page for this course; assignments and announcements will be posted at the course page on my faculty website.

Office Hours: Tuesdays and Thursdays, 2:00-4:00

Text: *Linear Algebra Done Right*, draft version of 4th edition, by Sheldon Axler

Prerequisites: Linear Algebra (Math 2700)

Exams (dates modified due to ice closure): There will be two 100 point midterms, both on Tuesdays: Feb. 28 and Apr. 11. There will be a comprehensive 180 point final on Tuesday, May 9, 10:30-12:30. There will be no make-up exams.

Homework: There will be 12 problem sets, worth 10 points each, due Thursdays, excepting exam weeks. They are due at the beginning of class. If you are late to class or your work is messy or unstapled, I may have to deduct 1 point. Problem sets will not be accepted after class.

Notes: You may work on the problem sets together with your classmates, but the best way to prepare for the exams is to begin by trying them on your own, looking for help only after making a good effort. It is best to work first on scratch paper and then recopy your solutions.

Calculators: Calculators are not allowed during exams.

Disabled Students: Please let me know of your disability.

Topics: We will cover as much as possible of Chapters 1-8.

Problem Set 1 (due Thursday, Jan. 19):

Section 1A: 8, 11

Section 1B: 1, 2, 3

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MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1/16	1/17 First lecture	1/18	1/19 HW1	1/20
1/23	1/24	1/25	1/26 HW2	1/27
1/30	1/31 ICE CLOSURE	2/1	2/2 ICE CLOSURE	2/3
2/6	2/7	2/8	2/9 HW3	2/10
2/13	2/14	2/15	2/16 HW4	2/17
2/20	2/21	2/22	2/23 HW5	2/24
2/27	2/28 EXAM 1	3/1	3/2	3/3
3/6	3/7	3/8	3/9 HW6	3/10
3/13 Spring Break	3/14	3/15	3/16	3/17
3/20	3/21	3/22	3/23 HW7	3/24
3/27	3/28	3/29	3/30 HW8	3/31
4/3	4/4	4/5	4/6 HW9	4/7
4/10	4/11 EXAM 2	4/12	4/13	4/14
4/17	4/18	4/19	4/20 HW10	4/21
4/24	4/25	4/26	4/27 HW11	4/28
5/1	5/2	5/3	5/4 HW 12	5/5 Reading Day
5/8	5/9 Final Exam: 10:30	5/10	5/11	5/12