

ECO 394C Mathematics for Economists

Summer 2024

Instructor: Jim Wiseman

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Office hours: MTW 3:15-4:30 and by appointment.

Teaching assistant: Daniel Frost, danielfrost@utexas.edu . Office hours Thursday and Friday, 3:00 pm - 4:30pm and by appointment. See Canvas for office hours details.

Class schedule:

Lecture: MTW 11:00-12:45, Th 11:00-12:00, in room BRB 1.118.

TA recitation section: F 11:00-12:00, in room BRB 1.118.

Textbook: Essential Mathematics for Economic Analysis, **6th ed.**, by Sydsaeter, Hammond, Strom, and Carvajal. (You do NOT need to purchase access to MyMathLab Global.)

Optional supplemental texts: Fundamental Methods of Mathematical Economics by Chiang and Wainwright, Mathematics for Economists by Simon and Blume, Schaum's Outline of Introduction to Mathematical Economics by Dowling.

Plan: We'll cover most of chapters 14, 15, 17, 18, 20, 12, and 13, in roughly that order. There's a more detailed list of topics below.

Exams: There will be one midterm exam and one final. The midterm will be Friday, August 2. Details TBA. The final exam is tentatively scheduled for Saturday, August 17. Details TBA.

Homework: I will assign homework, on Canvas, for every section we cover. You do not need to turn it in, but you are responsible for the material. I encourage you to do as many of the unassigned problems as you have time for.

Grading: 1/3 midterm exam, 2/3 final exam

Daily schedule:

Date	Topics
Mon 7/15	12.4, 14.2 (read 14.1, 14.3, 14.4, 12.4, 12.9, ideally before class)
Tues 7/16	14.2, 14.5, 14.6, 14.9-10
Wed 7/17	14.10, 15.1-4
Thurs 7/18	15.5-7
Mon 7/22	15.8-11
Tues 7/23	17.1, 17.3, 17.5
Wed 7/24	17.2, 17.4, 17.6, 14.7-8
Thurs 7/25	17.7
Mon 7/29	18.1, 18.4
Tues 7/30	18.2, 18.3, 18.5
Wed 7/31	18.6-7
Thurs 8/1	Review
Fri 8/2	Midterm exam, 11:00-12:45
Mon 8/5	20.1-2
Tues 8/6	20.3, 12.1-2
Wed 8/7	12.3, 12.5
Thurs 8/8	12.6-7
Mon 8/12	12.8, 13.1-3, 13.5
Tues 8/13	13.4, 13.6-7
Wed 8/14	Least squares
Thurs 8/15	13.8-10
Sat 8/17	Final exam (tentative)

University policies:

Honor code: “The core values of the University of Texas at Austin are learning, discovery, freedom, leadership, individual opportunity, and responsibility. Each member of the University is expected to uphold these values through integrity, honesty, trust, fairness, and respect towards peers and community.”

Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Services for Students with Disabilities area of the Office of the Dean of Students at 471-6259 (voice) or 471-4641 (TTY for users who are deaf or hard of hearing) as soon as possible to request an official letter outlining authorized accommodations.

Students who violate University rules on scholastic honesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. Since dishonesty harms the individual, fellow students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced.

Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside. Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building. In the event of an evacuation, follow the instruction of faculty or class instructors. Do not re-enter a building unless given instructions by the following: Austin Fire Department, The University of Texas at Austin Police Department, or Fire Prevention Services office.

Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.

Behavior Concerns Advice Line (BCA)L: 232-5050