Economics 605: Mathematics for Economists
Summer 2021

Instructor: William Horrace
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      Hours: M-Th 2:30 – 3:00

Teaching Assistant:
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Texts: Alpha C. Chiang, *Fundamental Methods of Mathematical Economics*

Classes: 3:00 PM to 4:30 PM Monday through Friday.

Discussion Sections: 11:00 AM to 11:50 AM Monday through Friday.

Course Objective: To introduce students to some of the mathematical methods used in modern economics.

Grades: Your grade will be determined by your performance on homework, a midterm exam, and a final exam.

Homework: due at various dates	30%
Midterm exam: date TBA	35%
Final Exam: date TBA	35%

Topic	Assignment
Linear algebra	C: chapters 4 & 5
Calculus review	C: chapters 6 & 7
Unconstrained optimization theory	C: chapters 9 & 11
Implicit function theorem and comparative statics	C: chapters 7 & 8
Optimization theory with equality constraints	C: chapter 12
Optimization theory with inequality constraints	C: chapter 21