

ECON 121 – Mathematical Economics I**Dr. ONUR BURAK ÇELİK****CONTACT INFORMATION**

Office Room: O 403

Office Hours: M 14:00-14:50 T 15:00-15:50 W 14:00-14:50
 Th 15:00-15:50 F 11:00-11:50
 And by appointment

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COURSE DESCRIPTION

This is a three credit undergraduate course on mathematical economics. This course helps us understand mathematical concepts used in economics. Topics include linear models and matrix algebra, comparative statics and the concept of derivative, rules of differentiation, partial differentiation, and optimization problems.

COURSE TEXTBOOK

Textbook is “*Fundamental Methods of Mathematical Economics*” by *Alpha C. Chiang* and *Kevin Wainwright*, 4th edition. ISBN: 007-123823-9. Publisher: McGraw-Hill.

GRADING

1. Two non-cumulative **midterm exams**.
2. A cumulative **final exam**.
3. **Quizzes:** Quizzes will be given in class. There are 3 quizzes. Lowest quiz grade is dropped.
4. **Attendance:** All students are expected to attend each class. Attendance will be taken randomly at any time during any class. At the beginning of the semester you have 100 as your attendance grade. Each missed attendance will cost you 10 points.

Assignments are weighted as follows:

Midterm Exam #1	15%
Midterm Exam #2	15%
Final Exam	50%
Quizzes	10%
Attendance	10%

The following grading scale will be adhered to in this class:

A	96-100
A-	91-95
B+	84-90
B	77-83
B-	70-76
C+	65-69
C	60-64
F	<60

RULES AND REGULATIONS

1. You may only take a make-up exam if you have a college-approved excuse (illness, varsity sports or religious holiday) and if you notify the professor **before the exam** that you will be unable to take the exam. If you fail to notify the professor before the exam, you will receive a grade of zero for that exam. **No make-up for quizzes.**
2. For exams and quizzes, you **cannot** share calculators.
3. There is **no extra credit assignment.**
4. University's academic honesty policy will be strictly enforced. Any student found guilty of cheating on the exams will receive an "F" grade.
5. All electronic devices and cell phones should be turned off during the class. Student who is found texting or checking messages will be asked to leave the class.

COURSE CALENDER

The Nature of Mathematical Economics	Chapter 1
Economic Models	Chapter 2
Equilibrium Analysis in Economics	Chapter 3
**Quiz #1	
**Midterm Exam #1	
Linear Models and Matrix Algebra	Chapters 4 and 5
**Quiz #2	
**Midterm Exam #2	
Comparative Statics and the Concept of Derivative	Chapter 6
Rules of Differentiation and Their Use in Comparative Statics	Chapter 7
Comparative-Static Analysis of General-Function Models	Chapter 8
**Quiz #3	
**Final Exam	