ECON 121 – Mathematical Economics I

Dr. ONUR BURAK ÇELİK

CONTACT INFORMATION

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Office Hours: M 14:00-14:50  T 15:00-15:50  W 14:00-14:50
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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


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**