ECON 454 – GAME THEORY
ASST. PROF. ONUR BURAK CELIK

CONTACT INFORMATION

Office Room : Y 627
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COURSE DESCRIPTION

This course will introduce you Game Theory. A wide range of examples and applications will be discussed including decision problems confronted by firms, employers, unions, footballers, partygoers, politicians, governments, non-governmental organizations and communities. In the first few weeks of this course you will learn about many of the important ideas in game theory: concepts like zero-sum games, the prisoners’ dilemma, Nash equilibrium, credible threats and more. In the subsequent weeks the analysis is built up in a step-by-step way in order to incorporate more of the interesting features of the world we live in, such as risk, information asymmetries, signals, long-term relationships, learning and negotiation.

COURSE TEXTBOOK

Textbook is “A Guide to Game Theory” by Fiona Carmichael. Publisher: Pearson.

GRADING

1. A midterm exam.
2. A non-cumulative final exam.
3. Two Quizzes: Quizzes will be given in class.
4. Attendance: All students are expected to attend each class. Attendance will be taken every class.

Assignments are weighted as follows:

- Quizzes : 20%
- Midterm Exam : 40%
- Final Exam : 40%
A 96-100  
A- 91-95  
B+ 84-90  

The following grading scale will be adhered to in this class:  
B  77-83  
B- 70-76  
C+ 65-69  
C  60-64  
F  <60  

**RULES AND REGULATIONS**

1. It is student’s responsibility to follow announcements, exam dates, exam topics, etc. Announcements and lecture notes will be posted on the website created for this course.

2. Exams and quizzes will consist of essay questions and problems.

3. **Dictionaries are not allowed** during exams and quizzes.

4. For exams and quizzes, you **cannot** use any electronic device including calculators.

5. There is **no homework or extra credit assignment** in this course.