Instructor  Deniz Selman, NB 224, deniz.selman@boun.edu.tr

Lectures  MWW 267 (NB 119 NH 405 NH 405)
Office Hours  T 11.00-12.00 and by appointment.

Grad TA  İbrahim Demir, ibrahim.demir@boun.edu.tr (Problem Session: M 13.00-14.00, NH 401)
Undergrad TA  Ozan Akin, ozanakin82@hotmail.com (Problem Session: Th 16.00-17.00, NH 403)

Textbooks


The course will roughly follow the sequence in [W], while [DS] provides a more user-friendly, conversational explanation of most concepts. For a slightly more advanced treatment and economic applications, you can consult [G].

Grading  Quizzes (25%), Midterm Exam (35%), Final Exam (40%)

There will be several (between 7 and 10) pop quizzes during the semester. While the lowest 2 quiz grades will be dropped, any student who fails to attend 3 or more pop quizzes will be ineligible to take the Final Exam.

Problem Sets  There will be problem sets assigned approximately every other week. While these problem sets will not be graded, working on them diligently is the most effective way to prepare you for the exams. I recommend you first work on your own and then meet to discuss the problems in groups. In addition, both TAs will review questions from past problem sets in weekly problem sessions.

Exam Schedule  TBA (within the first one or two weeks of the semester).

Course Outline

Representing Games

Extensive form, strategies  [W] chapters 1-3
Normal form, beliefs/mixed strategies  [W] chapters 4-5

Static Games

Best response, rationalizability, applications  [W] chapters 6-8
Equilibrium, applications  [W] chapters 9-10
Mixed strategy equilibrium  [W] chapter 11
Contract and law  [W] chapter 13

Dynamic Games

Extensive forms and subgame perfection  [W] chapters 14-15
IO applications  [W] chapter 16
Bargaining  [W] chapters 18-19
Negotiation and hold up  [W] chapters 20-21
Repeated games and applications  [W] chapters 22-23

Imperfect Information Games

Random events and incomplete information  [W] chapter 24
Bayesian equilibrium, applications  [W] chapters 26-27
PBE, applications  [W] chapters 28-29