Game theory is the study of the interaction of rational decision makers. This theory has become a fundamental tool in the study of social interaction in economics, political science, anthropology, sociology, animal behavior, biology, computer science and other disciplines. In this course we introduce basic concepts of game theory and explore a variety of applications.

**Text**


**Schedule**

The schedule below is my best guess. We may get to some topics earlier or later, but the sequence will be maintained.

- **Lecture 1** (Chapters 1 and 2: How to Think About Strategic Games)
- **Lecture 2** (Games with Sequential Moves: Chapter 3)
- **Lecture 3** (Bargaining: Chapter 18, pp. 701-720 only.)
- **Lecture 4** (Simultaneous Move Games with Pure Strategies I: Chapter 4)
- **Lecture 5** (Simultaneous Move Games with Pure Strategies I: Chapter 5)
- **Lecture 6** (Appendix to Chapter 7)
- **Lecture 7** (Simultaneous Move Games with Mixed Strategies: Chapter 7)
- **Lecture 8** (Combining Sequential and Simultaneous Moves: Chapters 6 and 10)
- **Lecture 9** (Catch-up and Review: Ch3_U4, Ch4_U11, Ch4_U8, Ch7_S11)
- **Lecture 10** (Midterm)
- **Lecture 11** (Replaced by special review sessions: Times and locations TBA)
- **Lectures 12** (Repeated Games: Chapter 11)
- **Lectures 13 and 14** (Games of Incomplete Information: Chapter 9, Introduction)
- **Lecture 15** (Signaling Games: Chapter 9, Section 5)
- **Lecture 16** (Matching Game Experiment)
- **Lecture 17** (Evolutionary Games)
- **Lecture 18** (Final)

**Office Hours**

My office hours are Tuesdays from 2:00 to 3:30 in 3046 North Hall. My email address is garratt@econ.ucsb.edu.

**Grading**

The midterm will be worth 40 percent of your grade. The final is worth 50 percent. Class participation is worth 10 percent. The midterm will be held on Tuesday August 28, 2012.