EC 584: Applications of Advanced Microeconomic Theory
Department of Economics, Portland State University
Syllabus

Class Meetings: Mondays and Wednesdays
Instructor: Arnab Mitra, E-mail: amita@pdx.edu
Office: Cramer Hall 241R
Office Hours: MW 2:30 pm–3:30 pm

Course Materials:

Other Useful Books:
1) A Course in Game Theory by M. J. Osborne, A. Rubinstein (The MIT Press).

Course Description:
EC 584 is intended to be a “tools” course, as well as a “topics” course. The course will cover topics related to strategic decision making (game theory) and general equilibrium model. In addition, the students will be exposed to some important journal articles from various (applied) microeconomic fields. Each student will present one existing research paper in his/her field of interest. Each student will also write a short survey paper. The first class meeting will have a detailed discussion on this.

Class time will mainly be devoted to discussing selected materials from the text and reviewing homework assignments (or other problems I introduce in class).

Grading:
A mid-term and a final will each constitute 30% of the final grade. The remaining 40% of the final grade will constitute homework assignments (10%), presentation of an existing research paper (15%) and a survey paper (15%). You are expected to work on the homework assignments and be prepared to present your solutions to class. There will be approximately 4 homework assignments.

---

1 This course was previously numbered as EC 591.
2 The syllabus is subject to change.
Course Topics:

1. *Static Games of Complete Information*
   References: Gibbons, chapter 1.

2. *Dynamic Games of Complete Information*
   References: Gibbons, chapter 2.

3. *Static Games of Incomplete Information*
   References: Gibbons, chapter 3.

4. *Dynamic Games of Incomplete Information (if time permits)*
   References: Gibbons, chapter 4.

5. *Exchange (General Equilibrium)*
   References: Varian, chapter 17.

6. *Production*
   References: Varian, chapter 18.

7. *Equilibrium Analysis*
   References: Varian, chapter 21.

8. *Public Goods*
   References: Varian, chapter 23.

9. *Externalities*
   References: Varian, chapter 24.