

Boston College
Department of Economics

EC 740 Microeconomic Theory I

Fall 2009

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Lectures MW 1:30–3:00, Seminar room.

Website All problem sets, solutions, lecture notes, old exams, relevant articles etc. will be loaded to the course site at WebCT. Please familiarize yourself with it and make sure to check it at least twice a week (better check it daily).

Office Hours M 12:00–1:00 if there is a lecture on this day or by appointment. But see below.

Texts

1. Andreu Mas-Colell, Michael D. Whinston, and Jerry R. Green: *Microeconomic Theory*, OUP.
2. Ariel Rubinstein: *Lecture Notes in Microeconomic Theory: The Economic Agent*, Princeton UP. This text is available on-line. Check Rubinstein's homepage for the latest version.

Exams There will be one exam. Date: TBA. Its weight will be 90% of my part of the course grade (but see below). *You have to attend the exam.* If you know in advance that you will not be able to take the exam, come and see me as early as possible. If you do not take the exam and you do not have a just reason for it, your grade for that exam will be zero. If you take the exam, its grade, whatever it is, will not be waived.

Homework There will be 6 problem sets. You have to solve and submit at least 5 of them. You'll get 2 points for each submitted set, provided you answered at least half of it. You have to submit each problem set one week after the day it was circulated.

Two important points.

1. All problem sets must be submitted electronically. You can choose whatever software you wish, but I strongly recommend L^AT_EX (or any other version of T_EX). I'm using WinEdt and MiK_TE_X.
2. The problem sets contain a lot of questions. Please don't do all of them now (submitting about half of the problem sets will be enough). Keep the rest for the end of the term and for the comp exams so that you'll have a nice supply of fresh questions.

Lecture Notes I loaded to the course website a concise version of the slides I'll use during the term. Please print them at 4 or 6 slides per page and bring them to class. *These slides are not supposed to substitute for the lectures.* Rather, the idea is that you won't have to write down everything in class. Also, I will provide you with solutions to the problem sets. Their aim is to help those of you who tried to solve a problem and want to check their solution (or to find out where they've gone wrong). Please let me know if you find any mistakes in the notes or the solutions.

Some Other Points

1. I very strongly encourage you to participate and ask questions.
2. Please prepare a "name plate" to fold and to put in front of you during lectures. Create it using bold 72pt fonts in a word document.
3. I encourage you *not* to use computers in class. They are disruptive, and not very helpful as it is very hard to type math quickly. Moreover, you'll get my slides.
4. The best way to communicate with me (except of course for during the lectures or office hours) is by email. I tend to answer emails until 1 or even 2am. Emails sent on Friday afternoon will not be answered till Saturday night. When you send me an email, make

sure that the subject is “740” (or “741” next term) and that you are using your BC account.

A Note on Academic Integrity You are expected to observe the highest standards of academic integrity. Please review the standards and procedures at <http://www.bc.edu/integrity>. If you have any questions, please consult with me. Violations will be reported to the Deans’ Office and reviewed by the College’s Committee on Academic Integrity.

Course Outline

1. Pareto efficiency: Definition, motivation, and properties.
2. Walrasian equilibrium: Definition and its connection to efficiency.
3. Walrasian equilibrium: Existence, uniqueness, and stability.
4. Monopolistic power.
5. Core: Definition, properties, and convergence to Walrasian equilibrium.
6. Mechanisms: Definition, properties, existence.