Econ 602: Micro II

Spring 2010

General

Professor: Luca Anderlini

Office Hour: Fridays 4.00-5.00 pm, or by appointment (la2@georgetown.edu)

Office: ICC 578

Lectures: Fridays 1.15 to 3.55 pm, in ICC 101.

Recitation: Wednesdays 5.40 to 6.55 pm, in Car Barn 315.

TA: Jorge Fernandez (jaf73@georgetown.edu).

Textbooks

Mas-Colell, Whinston and Green, Microeconomic Theory, Oxford University Press, 1995 (Main Text).

M. Osborne, An Introduction to Game Theory, Oxford University Press, 2004 (you may find this useful).

R. Gibbons, Game Theory for Applied Economists, Princeton University Press, 1992 (this is way too easy, but you may also find it useful).

Course Description

This is the second part of the Micro Sequence for PhD students.

This is the Game Theory part of the sequence. We will begin with Normal and Extensive form games, and basic solution concepts. Then we will move
on to other refinements: Perfect-Bayesian and Sequential Equilibrium. The last part of the course will cover Infinitely Repeated Games. The main text is Mas-Colell et al. Gibbons may be useful, but its level is essentially too low. Essentially the same applies to Osborne.

**Problem Sets**

There will be weekly problem sets assigned. The problem sets will be covered in the recitation sessions. They will *not* be part of your final grade, but it is *compulsory* to turn them in.

The material in the course is such that it is essential that you work through problems as we go along. It is almost impossible to do well at all in the mid-term and final exam without having gone through the problem sets.

**Grading**

Your final grade will be made up of your grade in the mid-term (40%) and your grade in the final (60%).

**Math**

This is an advanced course that is intended to give you analytical tools for further study. As such it is highly abstract and mathematical. Some of the new mathematical tools are covered in the Math Camp. Some others will be developed in class as we go along.

**Mid-Term**

The Mid-Term is scheduled for **Friday March 26, 2010**. It will take place in class.