

## **ECONOMICS 100B: MICROECONOMICS, Spring 2004**

**Lecture:** Monday, Wednesday, Friday: 11.00-11.50 am, SOLIS 107

**Instructor:** Debapriya Sen, Office Hours: Monday 9.00-10.30 am, Economics 113  
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**Teaching Assistant:**

Radu Munteanu, Office Hours: Tuesday, 11.30am-12.30 pm, Economics 124  
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**Text:** *Microeconomic Theory: Basic Principles and Extensions* by Walter Nicholson (Eighth Edition, South-Western, 2002).

**Course Description:** In this course, we will study strategic interaction among actors under various economic situations. [1] Concepts of game theory (Chapter 10): mixed strategies, how to solve a 2x2 game, [2] Expected utility and risk aversion (Chapter 8), [3] Games in extensive form, [4] The value of information in a strategic conflict, [5] The economics of information: (a) market for lemons, (b) signaling, (c) principal-agent models, [6] Matching problems and college admission games, [7] Auctions: first-price and second-price auctions, [8] Public goods, [9] Cooperative games and the notion of the core

It is not a bad idea to attend the lectures regularly. The course (and the exams) will be based on class notes.

**Exams:** There will be two midterms and a cumulative final. Dates are not negotiable and as a rule, no make-up exam will be given. If you must miss a midterm for a legitimate reason, you must notify me before the exam and receive permission from me. If you do receive permission, your final will be re-weighted appropriately.

**Midterm 1:** Wednesday, April 21, 11.00-11.50 am

**Midterm 2:** Monday, May 17, 11.00-11.50 pm

**Final:** During the final exam week

**Grades:** Midterm 1: 30%, Midterm 2: 30%, Final: 40%