Econ 7050: Ph.D. Advanced Economic Theory

FALL 2006

Syllabus

Anna Rubinchik
Assistant Professor
Office location: Econ 121
Office hours: Monday and Wednesday 1:00-2:30 p.m. or by appointment
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Class time: Monday, Wednesday 10:30 -- 11:45 am
location: Econ 5

Course description.
This is the third course in Microeconomic Theory for Ph.D. students in a three semester sequence. The goal is to understand core results in general equilibrium theory and the theory of incentives and to be able to apply these results in an independent analysis.

<table>
<thead>
<tr>
<th>Reading</th>
<th>Grading</th>
<th>Course Outline</th>
</tr>
</thead>
</table>

HW Assignments

<table>
<thead>
<tr>
<th>Homework assignment</th>
<th>Due date</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Monday, September 18</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Monday, October 2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Monday, October 23</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Monday, November 6</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Wednesday, November 29</td>
<td></td>
</tr>
</tbody>
</table>

Reading

Required texts


Strongly Recommended Texts


**Optional Texts**


**Papers**

1. Philip Reny "*Arrow's Theorem and the Gibbard-Satterthwaite Theorem: A Unified Approach*"

**Grading Policy**

Homework assignments 10%
Midterm 40%
Final exam 50%

Students are encouraged to form study groups and discuss homework assignments, but they should write and submit their own (original) work. As for the exams, any form of collaboration is prohibited.
The midterm will be conducted in class.

**Students with documented disabilities** who may need academic accommodations should speak with the professor during first two weeks of the class (no later than September 7). Please, see also the Coordinator of Services to students with disabilities in the Disability Services Office, Willard 322 (phone 303-492-8671), so that such accommodations may be arranged.

**Course Outline**

**Part 1: General Equilibrium Theory**

| Weeks 3,4 | Competitive Equilibrium and the Fundamental Theorems of Welfare Economics | MWG 16 |

**Midterm:** Monday, October 9.

**Part 2: Decision Making under Uncertainty and its Applications**
| Weeks 7, 8 | Exchange Under Asymmetric Information.  
Introduction to the theory of Contracts | BD 1, MWG 19.A.-D. |
| Weeks 9-12 | Principal-Agent problems. Static Bilateral Contracting.  
Hidden Information  
Hidden Action | Notes  
BD 2,3; MWG  14.C  
BD 4; MWG 14.B |
| Week 13 | Multilateral Contracting. Auctions. | BD 7.2, 7.3. Notes |
| Weeks 14-16 | Incentives and Mechanism Design  
PPT slides (introduction)  
Notes |

**FINAL EXAM** is on  Wednesday, December 20, 1:30-4:00 p.m.