ECONOMICS 8891.03: COLLOQUIUM IN ECONOMIC THEORY

COURSE OBJECTIVE: A supervised workshop in which advanced graduate students report their latest research on the theme chosen by the instructor in advanced theory and related fields. The workshop provides a forum in which research in progress can be discussed in depth, to enable hands-on guidance on research directions, presentations and publication quality writing, in the group workshop setting. The colloquium instructor selects a research theme, on which a series of speakers, mostly advanced graduate students and occasionally faculty members, gives presentations on their advanced economic theory research in progress. The colloquium instructor may occasionally provide supplement lectures to advance the participants’ research in progress.

PREREQUISITES: Permission of instructor and economics director of graduate studies. Open to students who passed Ph.D. qualifier exams in both micro and macroeconomics. Colloquium instructor may impose additional prerequisites. Letter grade only.

CREDIT HOURS: This colloquium course is repeatable to a maximum of 16 credit hours and of 8 completions, and may be offered every term. The course credit hours are variable so that a post candidacy graduate student may take it for one credit hour.

Credit Hours: 01 – 03 Variable
Course Listing: G
Grade: Letter grade
Repeatability: Maximum 16 credit hours and Maximum 8 completions

COURSE REQUIREMENTS: The course meets twice per week. Students are required to submit a term research paper, present their work at least once, write critiques of each work presented, and participate actively in each class meeting. The exact weight of these requirements will be determined by a colloquium instructor.

Autumn Semester 2012

Colloquium Theme: Matching Models and Mechanism Design

Colloquium Instructors: Professor Paul J. Healy
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Office Hours: (TBA)

Course Overview: This course covers major research topics in the evolving frontiers of mechanism design in economic theory, focusing on matching models and their implementation.

Prerequisites: a successful completion of micro and macro qualifiers, and permission of colloquium instructor and economics director of graduate studies.

Course Grading: Students will receive a letter grade based on the following criteria: 30% for participation, 30% for presentation, and 40% for the resulting research paper
COURSE SCHEDULE OUTLINE:


Week 2  The marriage model with no side payments: theory.

Week 3  The marriage model with no side payments: experiments.

Week 4  The marriage model with side payments: theory.

Week 5  The marriage model with side payments: applications.

Week 6  The marriage model with side payments: experiments.

Week 7  Many-to-one matchings: theory.

Week 8  Many-to-one matchings: applications.

Week 9  Many-to-one matchings: experiments.

Week 10 Many-to-many matchings: theory

Week 11 Many-to-many matchings: applications

Week 12 Many-to-many matchings: experiments.

Week 13: Strategic considerations: theory

Week 14: Strategic considerations: experiments.

GENERAL READING LIST:

Surveys


Marriage model with no side payments:


• Echenique, F., 2008. What matchings can be stable? the testable implications of matching theory 33 (3), 757–768

**Marriage model with side payments:**


• Vande Vate, J., 1989. Linear programming brings marital bliss. Operations Research Letters 8, 147–153


**Many-to-one matchings:**


**Many-to-many matchings:**


**Strategic considerations:**

• Roth, A., 1982. The economics of matching: Stability and incentives 7, 617–628


**Experiments:**


• Niederle, M., Roth, A. E., 2008. Making markets thick: Designing rules for offers and acceptances, Stanford University working paper

• Niederle, M., Yariv, L., 2008. Matching through decentralized markets, working paper


• Niederle, M., Roth, A. E., Unver, U., 2010. Unraveling results from comparable demand and supply, Stanford University working paper

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**Academic Misconduct:** It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term “academic misconduct” includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct (http://studentaffairs.osu.edu/info_for_students/csc.asp).
Any student who needs an accommodation based on the impact of a disability should contact the instructor as soon as possible to discuss ways to meet his or her special needs. Such students should also contact the OSU Office for Disability Services (292-3307).