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Location: ECON 119
Meeting Times: TTH 9:30-10:45
Office Hours: TTH 11:00 – 12:00
(or by appointment)

Course website:

All course materials will be posted on [Desire2Learn \(D2L\)](https://learn.colorado.edu) website that can be accessed at <https://learn.colorado.edu>.

Course Description:

This is the third graduate course in microeconomic theory. It contains several important topics that were not covered in the two previous microeconomic theory courses. It will also discuss additional advanced topics of interest.

Text:

The textbook is *Microeconomic Theory*, by Mas-Colell, Whinston, and Green. Other reading materials, including articles, are indicated below or will be added during the semester.

Assessment:

There will be two exams and a paper (a modeling exercise or a project). All exams are in a closed-book format. In the modeling exercise, you will be asked to develop a simple model to describe and analyze a microeconomic problem. Weights are as follows:

1. Midterm exams (two midterms - 40 points each, 40 points in total)
2. Paper (20 points)

Problem Sets:

Problem sets are assigned from the textbook. You should attempt them one by one after the relevant material is covered in class. Methodically solving the problem sets is **extremely important** to succeed in this class. You are encouraged to form study groups to discuss homework, lecture materials and assigned readings. **DO NOT TURN IN THE PROBLEM SETS.**

Tentative Course Outline:

Below is a tentative plan for the lectures. Changes will be announced in class during the semester and you are responsible for updating the course information.

Topic 1	Monopoly and Imperfect Competition <i>Readings:</i> MWG Ch. 12 PS#1: 12.B.4, 12.B.5, 12.B.9, 12.C.3, 12.C.9. PS#2: 12.C.18, 12 D.2., 12 E.4., 12 E.7, 12G.1.
Topic 2	Pass-through and Differential Pricing <i>Readings:</i> <ul style="list-style-type: none">• Weyl, E. Glen and Michal Fabinger, "Pass-Through as an Economic Tool" JPE, 121 (2013): 528-583• Chen, Y. and M. Schwartz. "Differential Pricing when Costs Differ: A Welfare Analysis", RAND, 2015
Topic 3	Adverse Selection, Signaling, and Screening <i>Readings:</i> MWG Ch. 13 PS#3: 13.B.2, 13.B.4, 13.C.1, 13.C.5.
	Start working on the paper: develop a simple model to describe and analyze a microeconomic problem.
Exam 1	tentatively on Tuesday, October 4
Topic 4	The Principal-Agent Problem <i>Readings:</i> MWG Ch. 14 PS#4: 14.B.4, 14.C.3, 14.C.7, 14.C.8.
Topic 5	Vertical Contracting <i>Readings: (to be added)</i> PS#5: (to be added)
Topic 6	Cooperative Game Theory <i>Readings:</i> <ul style="list-style-type: none">• Serrano, R. "Lectures on Cooperative Game Theory", 2014, posted on the class website PS#6: (to be added)
Topic 7	Matching Theory <i>Readings: (to be added)</i> PS#7: (to be added)
Exam 2	tentatively on Tuesday, November 17
Topic 8	Advanced Auction Theory <i>Readings: (to be added)</i>

Paper	Due Sunday, December 11 <i>Readings:</i> <ul style="list-style-type: none"> • Varian, H. “How to Build an Economic Model in Your Spare Time”, 1994, updated in 2009.
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University Policies

If you qualify for accommodations because of a disability, please submit to your professor a letter from Disability Services in a timely manner (for exam accommodations provide your letter at least one week prior to the exam) so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities. Contact Disability Services at 303-492-8671 or by e-mail at dsinfo@colorado.edu. If you have a temporary medical condition or injury, see [Temporary Injuries](#) guidelines under the Quick Links at the [Disability Services website](#) and discuss your needs with your professor.

Campus policy regarding religious observances requires that faculty make every effort to deal reasonably and fairly with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, (*insert your procedures here*).

See the [campus policy regarding religious observances](#) for full details.

Students and faculty each have responsibility for maintaining an appropriate learning environment. Those who fail to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, color, culture, religion, creed, politics, veteran's status, sexual orientation, gender, gender identity and gender expression, age, disability, and nationalities. Class rosters are provided to the instructor with the student's legal name. I will gladly honor your request to address you by an alternate name or gender pronoun. Please advise me of this preference early in the semester so that I may make appropriate changes to my records. For more information, see the policies on [classroom behavior](#) and [the student code](#).

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disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, political affiliation or political philosophy. Individuals who believe they have been subject to misconduct under either policy should contact the Office of Institutional Equity and Compliance (OIEC) at 303-492-2127. Information about the OIEC, the above referenced policies, and the campus resources available to assist individuals regarding sexual misconduct, discrimination, harassment or related retaliation can be found at the [OIEC website](#).

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [academic integrity policy](#) of the institution. Violations of the policy may include: plagiarism, cheating, fabrication, lying, bribery, threat, unauthorized access, clicker fraud, resubmission, and aiding academic dishonesty. All incidents of academic misconduct will be reported to the Honor Code Council (honor@colorado.edu; 303-735-2273). Students who are found responsible for violating the academic integrity policy will be subject to nonacademic sanctions from the Honor Code Council as well as academic sanctions from the faculty member. Additional information regarding the academic integrity policy can be found at honorcode.colorado.edu.