

ECON 4070-001 TOPICS IN MICROECONOMICS

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Office hours: MW 10.01-11.31am or by appointment
Class time and location: MWF 12-12.50am, ECON 117
Class website: *CULearn*; see <https://culearn.colorado.edu/webct/entryPageIns.dowebct>

Course Description

Topics in Microeconomics develops and applies analytical techniques used by economists to examine decision making with inter-dependence, uncertainty and asymmetric information. The course comprises four parts. Part I reviews game theory. Part II examines utility maximization with uncertainty. Part III investigates problems with imperfect information such as adverse selection and moral hazard. Part IV examines special topics such as law and economics and behavioral economics.

Objectives

Develop the economic tools learned in *ECON 3070 Intermediate Microeconomic Theory* to understand how agents make optimal decisions when facing uncertainty and asymmetric information.

Use economic tools to gain greater understanding of the economics of finance and insurance markets, where risk and imperfect information play a key role.

Become comfortable using algebra, calculus and diagrams to develop models that explain microeconomic questions.

Prerequisites

Available to students who have completed *ECON 3070 Intermediate Microeconomic Theory*. Completion of *ECON 4808 Introduction to Mathematical Economics*, or the equivalent, is desirable

lectures and updated on CULearn. Outlines of lecture notes will also be provided on CULearn. Your textbook from *ECON 3070 Intermediate Microeconomic Theory* will prove extremely useful for many topics. Alternatively, you may want to consider picking up a second-hand copy of:

Microeconomics, by David Besanko and Ronald Braeutigam, John Wiley & Sons; and/or
and/or

Intermediate Microeconomics: A Modern Approach, by Hal Varian, W.W. Norton and Company (any latter edition).

Class requirements

The class meets Monday, Wednesday and Friday from 12pm to 12.50pm. Although there is no formal grade for attendance, attendance and class participation will be duly noted. A sign-in sheet will be circulated during each class, and it is your responsibility to make sure that you have signed in by the end of class.

Please be aware that the critical thinking required for successful completion of this course may not come naturally for many students. Class exposure to model building, applied problems and solutions is the best way to become proficient in the application of microeconomic theory and the way economists think and solve problems.

Feel free to form study groups to review and discuss lecture/reading material, homework assignments etc., but you must submit individual work for grading (hint: if you work with a study group or individual class mates on assignments, please list the names of these persons on the front page of your submitted assignment).

Students should:

- (a) attend three 50 minute classes per week;
- (b) review and augment notes after lectures;
- (c) complete (a minimum of 4 out of 5) homework assignments;
- (d) complete two mid-term examinations; and
- (e) complete one final examination

Students are expected to be punctual, polite and prepared to engage in discussion with the instructor and class mates. See <http://colorado.edu/policies/classbehavior.html> for University of Colorado polices on student classroom and course-related behavior

Please turn off your mobile telephone device(s) before entering class and keep the device out of sight (pocket, bag, etc.) and out of mind. If you are taking notes on your laptop and feel the need to go online, please sit at the back of the class so that no other students will be distracted by your computer screen. If you do not want to conform to these rules, please find another class to attend.

Grading

There will be five homework assignments (with the lowest score dropped from the overall grade), two mid-term examinations and one final examination. The weightings for these assessments are:

The University of Colorado at Boulder policy on Discrimination and Harassment, the University of Colorado policy on Sexual Harassment and the University of Colorado policy on Amorous Relationships apply to all students, staff and faculty. Any student, staff or faculty member who believes s/he has been the subject of discrimination or harassment based upon race, color, national origin, sex, age, disability, religion, sexual orientation, or veteran status should contact the Office of Discrimination and Harassment (ODH) at 303-492-2127 or the Office of Judicial Affairs at 303-492-5550. Information about the ODH, the above referenced policies and the campus resources available to assist individuals regarding discrimination or harassment can be obtained at <http://www.colorado.edu/odh>.

All students of the University of Colorado at Boulder are responsible for knowing and adhering to the academic integrity policy of this institution. Violations of this policy may include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct shall be reported to the Honor Code Council (honor@colorado.edu; 303-725-2273). Students who are found to be in violation of the academic integrity policy will be subject to both academic sanctions from the faculty member and non-academic sanctions (including but not limited to university probation, suspension, or expulsion). Other information on the Honor Code can be found at <http://www.colorado.edu/policies/honor.html> and at <http://www.colorado.edu/academics/honorcode/>.

Disability Services' letters for students with disabilities indicate legally mandated reasonable accommodations. The syllabus statements and answers to Frequently Asked Questions can be found at <http://www.colorado.edu/disabilityservices>.

Campus policy regarding religious observances requires that faculty make every effort to reasonably and fairly deal with all students who, because of religious obligations, have conflicts with scheduled exams, assignments or required attendance. In this class, please indicate by email, near the beginning of the semester, if there is a conflict. See full details at http://www.colorado.edu/policies/fac_relig.html.

Class schedule, lectures, homework etc.

Proposed topics are provided in the table below. Please note that the outline of topics is subject to change during the term depending on how fast we work through the proposed topics. All changes will be announced in class and online via CULearn.

Class lecture handouts, assignment questions, solutions and additional reading materials will be made available when appropriate via CULearn.

Table 1. Proposed course outline

Week	Date	Topic
1.	Jan 18, 20	Part I. Review - Introduction
2.	Jan 23, 25, 27	- Game theory