

**UNIVERSITY OF COLORADO**  
**Department of Economics**

**Economics 3070-001**  
**Intermediate Microeconomic Theory**  
**Fall 2006**

Professor Jennifer Lamping  
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Lecture: TR 9:30am - 10:45am, Economics 119  
Office Hours: T 10:45am - 12:45pm, Economics 103  
Course Website: <https://webct.colorado.edu>

**Course Description**

This course introduces the theoretical framework for analyzing the economic behavior of individual decision-makers, such as consumers, workers, firms, and managers. The techniques presented in this course are used by almost every economist and can be applied to many applied fields including international economics, environmental economics, labor economics, and industrial organization.

The course is divided into five sections. We begin with a basic review of supply and demand. We then proceed to Section 2, which covers consumer behavior and market demand. In this section, we build a model of consumer choice and use this model to derive individual demand and market demand. In Section 3, we turn our attention to the other side of the market and analyze the behavior of firms and market supply. We build a model to show how each firm decides what technology it should use to make its product and what quantity of this product to bring to market. This model is then used to derive the firm's supply curve and the market supply curve. Section 4 brings the two sides of the market together to show how price and output are determined by the market. A variety of market structures are examined including perfect competition, monopoly, and oligopoly. If time permits, we will close the semester with an introduction to game theory and the economics of information.

**Prerequisites**

The prerequisites for this course are

Economics Prerequisites: ECON 1000 or 2010  
Mathematics Prerequisites: ECON 1078 & 1088 or MATH 1300 or MATH 1310  
or MATH 1081 or MATH 1080 & 1090 & 1100 or  
APPM 1350 or equivalent

The models covered in this course require calculus. It will be assumed that every student has a working knowledge of calculus, and there will be no formal review of calculus techniques. As such, the mathematics prerequisites will be strictly enforced.

## **Course Structure**

The course will consist of lectures, readings, assignments, and exams. The lectures will follow the readings in terms of topics covered. However, there may be some material covered in lecture that will not be covered by the readings, and there will most certainly be some material in the readings not covered in lecture.

Readings will be primarily from the required textbook (see below). However, I may elect to assign additional readings from magazines, newspapers, or other books to supplement the material in the textbook. These additional readings will be made available on the course website as needed.

Assignments will take the form of problem sets. In general, assignments will be made available every Thursday on the course website and due in lecture one week later. Solutions will be posted on the course website shortly thereafter.

There will be one midterm exam in October and a final exam in December.

## **Textbooks**

The required textbook is *Microeconomics*, 2<sup>nd</sup> edition by David Besanko and Ronald R. Braeutigam. There is a study guide available to accompany the textbook. You may wish to purchase the study guide if you would like extra practice solving problems, but doing so is not required.

## **Grading**

The various components of the course will be weighted as follows to determine your final grade:

Assignments	15%
Midterm Exam	35%
Final Exam	50%

The midterm and final exams will each be graded on a 100 point scale. Each assignment will be graded on a scale from 0 to 3: 0 points for not handing it in, 1 point for poor performance, 2 points for average performance, and 3 points for outstanding performance. The lowest two assignment scores will be dropped before determining course grades at the end of the semester.

## **Missed Assignments & Exams**

Late assignments will not be accepted since solutions are posted online shortly after the assignment is due. You may, however, miss two assignments without penalty since your lowest two assignment scores are dropped.

You may not miss an exam. No makeup exams will be given.

## **Tentative Course Schedule**

<b>Date</b>	<b>Topic</b>	<b>Readings</b>	<b>Assignments</b>
Aug 29			

## **University Policies**

### **Students with Disabilities**

If you qualify for accommodations because of a disability, please submit to me a letter from Disability Services **by September 12<sup>th</sup>** so that your needs may be addressed. Disability Services determines accommodations based on documented disabilities. University policies regarding disabilities are available at [www.colorado.edu/disabilityservices](http://www.colorado.edu/disabilityservices). Disability Services can be contacted by telephone at (303) 49

## **Academic Misconduct**

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](mailto: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 [www.colorado.edu/policies/honor.html](http://www.colorado.edu/policies/honor.html) and at [www.colorado.edu/academics/honorcode](http://www.colorado.edu/academics/honorcode).