

# ECONOMICS 201

## MICROECONOMIC THEORY I

Instructor: George Orlov

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Office Hours: Tuesday & Thursday, 2:30 pm - 4:00 pm.

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## Meetings

The lecture hours are Tuesday and Thursday from 1:00 pm to 2:20 pm and will take place in AL 208. I will be available in my office after class for the scheduled office hours. I will also be available by appointment. If contacting me by e-mail, please, indicate **ECON 201** as the subject of the letter.

## Course Information

### Overview

The course is designed to familiarize the students with the foundations of microeconomic theory. The primary focus of the course are the partial equilibrium models of consumer and producer behaviour.

### Textbooks

The required textbook for the course is *Microeconomics, 7th Edition* by Robert S. Pindyck & Daniel L. Rubinfeld. In addition a copy of Walter Nicholson & Christopher M. Snyder's *Microeconomic Theory: Basic Principles and Extensions* and Hal R. Varian's *Intermediate Microeconomics: A Modern Approach* will be placed on a three hour loan at the Dana Porter library.

### Course Outline

The presented outline is tentative and is subject to change based on the progress made in the lectures.

1. Mathematical Tools in Microeconomic Theory
2. Consumer Theory
  - (a) Preferences And Utility Function
  - (b) Indifference Curves
  - (c) Utility Maximization

- (d) Expenditure Minimization
  - (e) Choice and Demand
  - (f) Choice Under Uncertainty
3. Production Theory
- (a) Firms and Production Functions
  - (b) Revenues And Costs
  - (c) Isoquants and Isocosts
  - (d) Profit Maximization
  - (e) Cost Minimization
  - (f) Costs and Supply
4. Markets And Market Failures
- (a) Demand and Supply
  - (b) Perfectly Competitive Markets
  - (c) Monopolistic Competition
  - (d) Monopolists
  - (e) Oligopolists
  - (f) Externalities and Welfare
  - (g) Public Goods and Welfare
5. Game Theory
- (a) Games And Equilibria
  - (b) Cournot Quantity Competition
  - (c) Stachelberg Quantity Competition
  - (d) Bertrand Price Competition
6. Additional Topics (When the Standard Economics Approach Fails...)
- (a) Behavioural Economics
  - (b) Neuro-Economics

## Evaluation

### Grade

The final grade will be determined based on four assignments worth 5% each, one midterm test worth 30%, and a final examination worth 50%. The midterm examination will take place on Tuesday, February 15, 2010 during the regular class time. The final examination will take place at a time scheduled by the Registrar's Office.

## **Re-marking**

If a student wants a test re-marked he/she must notify the instructor within 5 business days after the marked test has been distributed in class. The test will be re-marked in its entirety and, as a result, the grade can either increase, decrease, or remain unchanged.

## **Policy on Missed Assignments and Tests**

There will be no make-up tests or assignments. Students will receive a mark of zero on a missed assignment or test without the appropriate medical certificate. For students with the relevant medical certificate the weight of the missed test and/or assignments will be shifted to the final examination.

## **University Rules**

### **Academic Integrity**

In order to maintain a culture of academic integrity, members of the University of Waterloo community are expected to promote honesty, trust, fairness, respect and responsibility.

### **Grievance**

A student who believes that a decision affecting some aspect of his/her university life has been unfair or unreasonable may have grounds for initiating a grievance. Read Policy 70 - Student Petitions and Grievances, Section 4

*<http://www.adm.uwaterloo.ca/infosec/Policies/policy70.htm>*

### **Discipline**

A student is expected to know what constitutes academic integrity, to avoid committing academic offenses, and to take responsibility for his/her actions. A student who is unsure whether an action constitutes an offense, or who needs help in learning how to avoid offenses (e.g., plagiarism, cheating) or about rules for group work/collaboration should seek guidance from the course professor, academic advisor, or the Undergraduate Associate Dean. When misconduct has been found to have occurred, disciplinary penalties will be imposed under Policy 71 Student Discipline. For information on categories of offenses and types of penalties, students should refer to Policy 71 - Student Discipline.

*<http://www.adm.uwaterloo.ca/infosec/Policies/policy71.htm>*

### **Appeals**

A student may appeal the finding and/or penalty in a decision made under Policy 70 - Student Petitions and Grievances (other than regarding a petition) or Policy 71 - Student Discipline if a ground for an appeal can be established. Read Policy 72 - Student Appeals

*<http://www.adm.uwaterloo.ca/infosec/Policies/policy72.htm>*

## **Note for Students with Disabilities**

The Office for Persons with Disabilities (OPD), located in Needles Hall, Room 1132, collaborates with all academic departments to arrange appropriate accommodations for students with disabilities without compromising the academic integrity of the curriculum. If you require academic accommodations to lessen the impact of your disability, please register with the OPD at the beginning of each academic term.