

Econ 7012: Microeconomic Theory I

Syllabus Fall 2015

- **Instructor:** Dr. Shatakshee Dhongde
Email: shatakshee.dhongde@econ.gatech.edu
Office: 221 Old CE Building
Office hours: By appointment
Class meeting: 12.05-1:25 pm T-R / D.M. Smith 203
- **Course Objectives:** This course covers microeconomic theory at an advanced level. Topics include in depth analysis of firm theory, consumer behavior. The emphasis of the course is on developing a formal model-based treatment of these topics and applying them to relevant policy issues. The primary goal of the course is to equip students with sufficient technical skills to be able to read the academic journal papers in economics containing applied microeconomic models.
- **Pre-requisites:** Students should be familiar with microeconomics concepts at an undergraduate intermediate level. A strong background in mathematics is important. We will use multivariate calculus (constrained optimization), basic probability, and some linear algebra.
- **Required Textbook:**
 - Hal Varian, Microeconomic Analysis (3rd Ed.) Norton Publishers, New York, 1992.
- **Supplemental Textbooks:**
 - Hal Varian, Intermediate Microeconomics: A Modern Approach, W. W. Norton & Company
 - Carl Simon, and Lawrence Blume, Mathematics for Economists, W. W. Norton & Company
 - Andreu Mas-Colell, Michael D. Whinston and Jerry R. Green, Microeconomics, Oxford University Press
- **Course Web Page:** All course materials will be posted on the web page through T-square (www.t-square.gatech.edu/portal).
- **Grading:** Your grade will be based on Homework assignments (20%) one midterm exam (30%), and a final exam (50%).

Tentative Course Schedule

Part I. TECHNOLOGY AND PRODUCTION THEORY

Ch. 1 (Week 1-2), Ch. 2 (Week 3-4), Ch. 3 (Week 4-5), Ch. 4 (Week 6), Ch. 5 (Week 7) and Ch. 6 (Week 8)

Midterm (Thursday, October 15, 2015, Week 9, regular class time)

Part II. CONSUMER THEORY

Ch. 7 (Week 10-11), Ch. 8 (Week 12-13), Ch. 9 Week (14-15), and Ch. 10 (Week 15-16)

Final Exam (Tuesday, December 8, 2015 from 11:30 am -1:30 pm)