

Econ 7012: Microeconomic Theory I

- **Instructor:** Dr. Shatakshee Dhongde
Email: shatakshee.dhongde@econ.gatech.edu
Office: 221 Old CE Building
Office hours: By appointment
Class meeting: MW 9.35-10.55 am, Old CE G10
- **Course Objectives:** This course covers microeconomic theory at an advanced level. Topics include in depth analysis of firm theory and models of 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:**
- Intermediate Level
 - Hal Varian, Intermediate Microeconomics: A Modern Approach, W. W. Norton & Company
 - Walter Nicholson, and Christopher Snyder, Intermediate Microeconomics and its Applications, Cengage Learning
 - Carl Simon, and Lawrence Blume, Mathematics for Economists, W. W. Norton & Company
- Advanced Level
 - Andreu Mas-Colell, Michael D. Whinston and Jerry R. Green, Microeconomics, Oxford University Press
 - David Kreps, Microeconomic Foundations I, Princeton 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 papers discussion (10%), homework assignments (20%), one midterm exam (30%), and a final exam (40%)

Tentative Course Schedule

Part I. TECHNOLOGY AND PRODUCTION THEORY

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

Midterm (Wednesday, October 5, 2016, 9.35 am - 10.55 am)

Part II. CONSUMER THEORY

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

Final Exam (Friday, December 9, 2016, 9.00 am -11.00 am)