Econ 7012: Microeconomic Theory I
Syllabus Fall 2014

• **Instructor:** Dr. Shatakshee Dhongde
  Email: shatakshee.dhongde@econ.gatech.edu
  Office Phone: 404-894-4913 / Office: 221 Old CE Building
  Office hours: By appointment
  Class meeting: 09:35-10:55 am T-R / Old CE G10

• **Course Objectives:** This course covers microeconomic theory at an advanced level. Topics include producer theory, consumer theory, market equilibrium, and market power. 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 (including constrained optimization), basic probability, and some linear algebra. You are encouraged to take a complementary course EC7004 (Mathematics for Economists) to support quantitative skills required for this course.

• **Required Textbook:**

• **Supplemental Textbooks:**
  - 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](http://www.t-square.gatech.edu/portal)).

• **Grading:** Your grade will be based on Homework assignments (10%) one midterm exam (40%), and a final exam (50%). Grades will be curved.

**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 5-6), Ch. 5 (Week 6-7) and Ch. 6 (Week 8)

**Midterm (Thursday, October 16, 2014 during regular class time)**

Part III. 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 9, 2014 from 08:00-10:50 am)**