**Advanced Microeconomic Theory**

**Spring 2014**

**Course Materials:**

* Textbook: Geoffrey A. Jehleand Philip J. Reny, Advanced Microeconomic Theory (3rd edition, 2012) China edition published by PEARSON EDUCATIONASIA LTD and CHINA RENMIN UNIVERSITY PRESS.
* Reference: Mas-Colell, Andreu, Michael Whinston and Jerry Green, Microeconomic Theory, Oxford University Press (1995)

**Course Description**

Microeconomics investigates how individual agents, such as consumers, households and firms, make (rational) decisions. The aim of this course is to prepare graduate-level students with the microeconomic theory related to their future fields of interests. We will introduce rigorous mathematical and economic tools in order to analyze individual decision-making and how these individual choices interact in markets to determine the outcomes of the economy. The nature and method of decision-making agents (i.e. consumers, producers, and governments) to make choices while constrained by limited resources will be analyzed.

**Requirements and Grading**

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| Homework Assignments | 10% |
| Midterm Exam | 30% |
| Final Exam | 60% |

**Tentative Course Outline**

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| Week | Topic |
| 1 | Introduction and math review |
| 2 | Preferencesrelation, Utility functions |
| 3,4 | Utility maximization, Expenditure minimization， Application |
| 5,6 | Special topics in consumer theory |
| 7 | Decision Making under uncertainty |
| 8,9 | Producer theory |
| 10,11,12 | Partial equilibrium |
| 13 | General equilibrium, Core and equilibria |
| 14 | Welfare theorems, Applications |