Stern School of Business  
New York University  

Course Outline and Reading List  
(Subject to change)  

Microeconomics: Theory and Applications  
ECON-GB.3335.01  
3 credits. Ph.D. core course. Fall 2011  
Wednesdays, 9 to 11:50 a.m.  
Prof. Roy Radner  

This course satisfies the core requirement in microeconomic theory for Stern doctoral students, and is especially designed for those whose programs do not include advanced courses in economic theory. It emphasizes concepts and techniques of microeconomic analysis that are likely to be useful in the students’ doctoral dissertation research. We examine a number of research issues in accounting, finance, information systems, management, and marketing (and possibly other areas, depending on the students enrolled), and in each case we explore the relevant microeconomic theory.  

Textbook:  R. Preston McAfee (2006), Introduction to Economic Analysis, http://www.mcafee.cc/Introecon/IEA.pdf., cited in the syllabus as RPM, with section numbers. This is an “open access” publication, which can be downloaded from the indicated website without charge. For a more advanced treatment, see MasColell et al, 1995. For a more complete introduction to game theory, see (Dutta, 1999).  

Notes:  
1. The research articles listed in the outline are illustrative. Some material may not be assigned for thorough study, and are designated “Suppl.” Most of the published articles can be downloaded using JSTOR. I shall make arrangements to make the others available. Other references may be added during the semester.  
2. The textbook will be supplemented by notes to be distributed (denoted by RR).  
3. The course grade will be based on homework exercises (35%), a midterm examination (25%), and a final examination (40%).  

Outline  

1. Market Demand and Elasticity; Monopoly. Arrow, 1962; RPM, 1, 2.1.1, 2.4.1, 6.5.1-2; RR, Notes on Welfare, through 2.4; RR. Notes on Monopoly Pricing.  


9. Games with Incomplete Information. Radner. 1987. Sec. 5; RR, Notes on Noncooperative Equilibrium, Sec. 4; Radner, 1987, Sec. 5; RPM, 6.6.


References


