

**UNIVERSITY OF DELHI
DELHI SCHOOL OF ECONOMICS
DEPARTMENT OF ECONOMICS**

Minutes of Meeting

Subject	:	B.A. (Hons) Economics – 6 th Sem. DSE (2018)
Course	:	(xi) Topics in Microeconomics - II
Date of Meeting	:	8 th January, 2018
Venue	:	Department of Economics, Delhi School of Economics, University of Delhi
Chair	:	Dr. Anirban Kar

Course Description

This course deals with some advanced topics in game theory. It covers repeated games, asymmetric information games and preliminaries of evolutionary game theory. Students will learn the concepts of Bayesian, perfect Bayesian equilibrium and evolutionary equilibrium.

Textbook

M. J. Osborne: An introduction to Game Theory, Indian Edition

Course Outline

1. Repeated games: Finitely repeated games; infinitely repeated games; history dependent strategies; one-step deviation; repeated prisoners' dilemma; folk theorem (Ch. 14 and 15)
2. Simultaneous move game with imperfect information: Strategies; Bayesian Nash equilibrium; auction (Ch. 7 and 9)
3. Extensive form game with imperfect information: Strategy and belief; sequential equilibrium (Ch. 10)
4. Evolutionary games: Idea of evolutionary games; evolutionary stability; evolutionary stable strategy (Ch. 13)