

ECON0027 Game Theory Syllabus

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Textbook: An Introduction To Game Theory by Martin J. Osborne, Oxford University Press (any edition)

Course Description:

This course introduces models of strategic situations that involve agents with opposed interests. The aim of this course is to provide students with an intellectual framework to analyze situations in which the behavior of agents is driven by strategic considerations and, with a set of analytical tools, to interpret a wide range of phenomena in the social sciences.

Most of the course focuses on non-cooperative game theory. The major topics covered are strategic form games, extensive form games, Bayesian games, repeated games and an overview of cooperative models and matching markets.

Topics: