

COURSE DETAIL

GAME THEORY

Country

United Kingdom - England

Host Institution

University of London, Queen Mary

Program(s)

Summer at Queen Mary

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

150

UCEAP Course Suffix

S

UCEAP Official Title

GAME THEORY

UCEAP Transcript Title

GAME THEORY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course examines game theory, a framework for studying situations of strategic interdependence. Students describe and analyze such situations formally, as well as how the theory can be applied in economics, political science, law, and elsewhere. Topics include games in strategic and extensive form, backward induction, dominance, choice under uncertainty, pure and mixed strategy Nash equilibrium, imperfect information, coordination and outguessing games, the prisoners' dilemma, subgame perfection, and repeated interaction. The course is taught on historical principles, with attention to the founders and intellectual development of game theory.

Language(s) of Instruction

English

Host Institution Course Number

Host Institution Course Title

GAME THEORY

Host Institution Course Details

Host Institution Campus

Queen Mary University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics, Business and Management

Course Last Reviewed

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