

COURSE DETAIL

GAME THEORY

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

106

UCEAP Course Suffix**UCEAP Official Title**

GAME THEORY

UCEAP Transcript Title

GAME THEORY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

Game theory is a pillar of modern economics. It also plays an ever-increasing role in other social sciences as law and politics, and in natural science as biology. This course is an introduction to game theory, its basic concepts and analytical methods. It examines the ability of using game theory to observe economic behavior and phenomenon in the real world. Course topics include: games with sequential moves; simultaneous-move games with pure strategies; combining sequential and simultaneous moves; simultaneous-move games with mixed strategies; uncertainty and information; strategic moves; The Prisoners' Dilemma; collective-action games; evolutionary games; and bargaining.

Language(s) of Instruction

Host Institution Course Number

40511103

Host Institution Course Title

GAME THEORY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics and Management

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