

COURSE DETAIL

GAME THEORY AND ECONOMICS APPLICATIONS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Economics

UCEAP Course Number

109

UCEAP Course Suffix**UCEAP Official Title**

GAME THEORY AND ECONOMICS APPLICATIONS

UCEAP Transcript Title

GAME THRY&ECON APP

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces game theory, a theory of interactive decision making. This course provides basic solution concepts for different types of non-cooperative games, including static and dynamic games with complete and incomplete information. The basic solution concepts covered are Nash equilibrium, subgame perfect equilibrium, Bayesian equilibrium, and perfect Bayesian equilibrium. This course emphasizes the applications of game theory to economics, such as oligopolies, bargaining, and auctions.

Language(s) of Instruction

English

Host Institution Course Number

EC3312

Host Institution Course Title

GAME THEORY AND APPLICATIONS TO ECONOMICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Economics

Course Last Reviewed

2022-2023

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