

# COURSE DETAIL

## GAME THEORY

**Country**

United Kingdom - England

**Host Institution**

University College London

**Program(s)**

University College London

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Economics

**UCEAP Course Number**

142

**UCEAP Course Suffix**

N

**UCEAP Official Title**

GAME THEORY

**UCEAP Transcript Title**

GAME THEORY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

### **Course Description**

This course provides 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. Topics include the Nash equilibrium in simple oligopolistic games, and voting games; the concept of Subgame Perfect Equilibrium and its application to games of lobbying and bargaining; and the logic of Bayesian games, including their use in analyzing real-world selling mechanisms such as auctions.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

ECON0027

### **Host Institution Course Title**

GAME THEORY

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Economics

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