

## COURSE DETAIL

### GAME THEORY AND ECONOMIC APPLICATIONS

**Country**

Spain

**Host Institution**

University of Barcelona

**Program(s)**

University of Barcelona

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Economics

**UCEAP Course Number**

153

**UCEAP Course Suffix****UCEAP Official Title**

GAME THEORY AND ECONOMIC APPLICATIONS

**UCEAP Transcript Title**

GAME THEORY

**UCEAP Quarter Units**

5.00

**UCEAP Semester Units**

3.30

## Course Description

This course provides an in-depth study of game theory and its applications, examining strategies and balances. The course covers static games with complete information, dynamic games with complete information, static games with incomplete information, and cooperative games. Topics also include both personal and impersonal cooperative and non-cooperative games, matrix games, bargaining models, and solution methods. Texts include J. Pérez, J. Jimeno, and E. Cerdá, TEORIA DE JUEGOS; Roy Gardner, JUEGOS PARA EMPRESARIOS Y ECONOMISTAS; Robert Gibbons, UN PRIMER CURSO DE TEORIA DE JUEGOS; M. J. Osborne, AN INTRODUCTION TO GAME THEORY; C. Rafels, et al., JOCS COOPERATIUS I APLICACIONS ECONOMIQUES; Ken Binmore, TEORIA DE JUEGOS; Avinash Dixit and Barry Naleboff, PENSAR ESTRATEGICAMENTE; and J. Watson, STRATEGY: AN INTRODUCTION TO GAME THEORY.

## Language(s) of Instruction

## Host Institution Course Number

361868

## Host Institution Course Title

GAME THEORY AND ECONOMIC APPLICATIONS

## Host Institution Campus

Facultad de Economía y Empresa, Campus Nord

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Matemática Económica, Financiera y Actuarial

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