

Strategic Thinking for Global Governance

UGRA_009434

Departments	Department of Economics, Finance & Accounting
Teaching Languages	English
ECTS	4
Teacher responsible	Sanchez Moscona Daniel - daniel.sanchez6@esade.edu

Course Goals

You will:

- Familiarize yourself with the main tools of game theory;
- Apply those tools to real world situations (with a focus on international relations, voting systems and Economics);
- Upgrade your analytical skills in an intellectually and professionally useful manner.
- Acquire an additional set of tools to analyze complex situations in social, economic, politics and international relations contexts.

Previous knowledge

Some knowledge of microeconomics and basic mathematics is recommendable.

Prerequisites

None

Recomended courses

Microeconomics I

Description

Course contribution to program

Game Theory help anyone interested in social science to understand strategic interactions between agents with different, and often competing, objectives. In this context, it provides students with useful tools to analyze firms decision in oligopolistic markets, interactions between nations, interactions between different political parties and many other situations. It is an important subject for anyone that wants to specialize in Global Economics or Politics and with interest in understanding the governance of institutions.

Short description

The course will introduce students to basic concepts in Game Theory. We will analyze simultaneous decision games, sequential games and applications to Economics and Political Science. We will also briefly discuss voting systems and games with imperfect information.

Bibliography

Dixit, A. nd S. Skeath, Games of Strategy, New York: W.W. Wiley (Book)

Activities

Analytical exercises

In-class exercises

Written and/or oral exams

Final Exam

Quizzes/tests

Midterm Exam

Content

#	Topic
1	Introduction to Strategic Thinking and Game Theory
2	Dominant strategies and Nash Equilibrium.
3	Sequential games
4	Game Theory applications to Political Science and International Relations.
5	Game Theory applications to Economics
6	Voting systems
7	Games with imperfect information
8	Introduction to cooperative games

Assessment

Tool	Assessment tool	Category	Weight %
Written and/or oral exams	Final Exam	Retake and ordinary round	50.00%
Participation in program activities	Class Participation	Retake and ordinary round	20.00%
Written and/or oral exams	Midterm Exam	Retake and ordinary round	30.00%

PROGRAMS

113S-Law Exchange Program (Undergraduates: Law)
113S Year 1 (Optative)

G114S-Global Governance Exchange Program (Undergraduates: Law)
G114S Year 1 (Optative)

GDL20-Double Degree in Law and Global Governance, Economics and Legal Order (Undergraduates: Law)
GDL20 Year 2 (Basic)

GDL23-Double Degree in Law and Global Governance, Economics and Legal Order (Undergraduates: Law)
GDL23 Year 2 (Basic)

GEL19-Bachelor of Global Governance, Economics and Legal Order (Undergraduates: Law)
GEL19 Year 2 (Basic)

GEL23-Bachelor of Global Governance, Economics and Legal Order (Undergraduates: Law)
GEL23 Year 2 (Basic)