Graduate microeconomics I

Lecturer
Georg KIRCHSTEIGER (Coordinator)

Course mnemonic
ECON-S510

ECTS credits
10 credits

Language(s) of instruction
English

Course period
First term

Campus
Solbosch

Course content

In this course students learn the fundamental building blocks of microeconomic theory and game theory. Topics are the theories of consumption and production; decision under risk and uncertainty; partial equilibrium; general equilibrium (existence, uniqueness and stability) and the two welfare theorems; core and cooperative game theory; normal form games with complete and incomplete information; extensive form games.

Objectives (and/or specific learning outcomes)

After the course the students should be able to use the basic tools of microeconomics and game theory to conduct their own research.

Pre-requisits and co-requisits

Required knowledge and skills

Mathematical prerequisites are convexity and optimization.

Teaching method and learning activities

24 hours of lectures + homework/solving problem sets + Q+A sessions.

Contribution to the teaching profile

This course contributes to the following program learning objectives:

LO 1.2 - Assess the quality of an economic research produced by others

LO 1.3 - Identify and analyse an issue using the relevant analytical tools and methods

LO 2.1 - Adopt a scientific approach to data collection, research and analysis and communicate results with clear, structured and sophisticated arguments

LO 2.2 - Display critical thinking and develop autonomous learning strategies and techniques

LO 3.2 - Thorough and critical ability to use empirical and statistical tools in economics

LO 4.1 - Work and communicate effectively as part of a team in an international and multicultural environment

References, bibliography and recommended reading

Mas-Colell, A., M. D. Whinston and J. R. Green (1995) Microeconomic Theory, Oxford University Press.

Fudenberg, D. and J. Tirole (1992), Game Theory, MIT Press.

Carlsson, H. and E. van Damme (1993), Global Games and Equilibrium Selection, Econometrica, 989-1018

Course notes

Université virtuelle

Other information

Place(s) of teaching

Solbosch

Contact(s)

gkirchst@ulb.ac.be

Evaluation method(s)

written examination

Evaluation method(s) (additional information)

written final exam

Determination of the mark (including the weighting of partial marks)

grade of the course = grade of the final exam

Main language(s) of evaluation

English

Programmes

Programmes proposing this course at the Solvay Brussels School of Economics and Management

MA-ECOE | **Master in Economics : Econometrics** | finalité Research in Economics/unit 1 and finalité Research in Economics and statistics/unit 1

Programmes proposing this course at the faculty of Sciences

MA-STAT | **Master in Statistics : General** | finalité Research General/unit 1