

# Graduate microeconomics I

**Titulaire**

Georg KIRCHSTEIGER (Coordonnateur)

**Mnémonique du cours**

ECON-S510

**Crédits ECTS**

10 crédits

**Langue(s) d'enseignement**

Anglais

**Période du cours**

Premier quadrimestre

**Campus**

Solbosch

## Contenu du cours

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

## Objectifs (et/ou acquis d'apprentissages spécifiques)

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

## Pré-requis et co-requis

### Connaissances et compétences pré-requises

Mathematical prerequisites are convexity and optimization.

## Méthodes d'enseignement et activités d'apprentissages

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

## Contribution au profil d'enseignement

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

## Références, bibliographie et lectures recommandées

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

## Support(s) de cours

Université virtuelle

## Autres renseignements

### Lieu(x) d'enseignement

Solbosch

### Contact(s)

gkirchst@ulb.ac.be

## Méthode(s) d'évaluation

Examen écrit

Construction de la note (en ce compris, la pondération des notes partielles)

grade of the course = grade of the final exam

### Langue(s) d'évaluation principale(s)

Anglais

## Programmes

### Programmes proposant ce cours à la Solvay Brussels School of Economics and Management

MA-ECOE | Master en sciences économiques, orientation  
économétrie | finalité Research in economics/bloc 1 et finalité  
Research in Economics and Statistics/bloc 1

### Programmes proposant ce cours à la faculté des Sciences

MA-STAT | Master en statistique, orientation générale | finalité  
Approfondie,/bloc 1

