Doctoral Program in Economics

UNIVERSITÀ DEGLI STUDI FIRENZE | UNIVERSITÀ DI SIENA | UNIVERSITÀ DI PISA

Academic year 2022/23

MICROECONOMICS

Period:

Second term: January and February 2023

Course hours:

20

Teachers:

Nicola Dimitri (resp. 12 h), Pietro Battiston (8h),

Exam methods:

3 hours written examination

Prerequisites

Basic Microeconomics, Calculus, Basic Statistics

Production Theory, Expected Utility, General Equilibrium 12h, prof. Dimitri

Program

Technology and production function
Cost function
Profit function
Duality
Preferences under uncertainty
Expected utility
Walrasian Equilibrium
Arrow-Debreu Equilibrium

Educational objectives

In this module the students will learn the fundamentals of neoclassical production theory, expected utility and general equilibriumat an advanced level

Bibliographical references

Much of the material will refer to:

Jehel& Reny (2001) *Advanced Microeconomic Theory* (2nd ed.) Addison Wesley.
Mass-Colell, Whinston & Green (1995) *Microeconomic Theory*, Oxford University Press
Munoz-Garcia (2017) *Advanced Microeconomic Theory*, MIT Press
Varian (1992) *Microeconomic Analysis* (3rd ed) Norton

In case, additional references will be provided by the lecturer

Consumption Theory, 8h, prof. Battiston

Program

Preferences
Utility Function
Expenditure Function
Demand function
Duality of Marshallian and Hicksian demand function
Slutsky Equation

Educational objectives

In this module the students will learn the fundamentals of neoclassical consumption theory at an advanced level

Bibliographical references

Much of the material will refer to:

Mass-Colell, Whinston & Green (1995) *Microeconomic Theory*, Oxford University Press
Jehel& Reny (2011) *Advanced Microeconomic Theory* (3rd ed.) Prentice Hall.
Varian (1992) *Microeconomic Analysis* (3rd ed) Norton

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