

Anno Accademico 2021/2022

ECONOMICS	
Enrollment year	2019/2020
Academic year	2021/2022
Regulations	DM270
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING
Course	BIOENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	3°
Period	1st semester (27/09/2021 - 21/01/2022)
ECTS	6
Language	Italian

The activity is split

500734 - ECONOMICS (SURNAMES A-K)

500734 - ECONOMICS (SURNAMES L-Z)



Anno Accademico 2021/2022

ECONOMICS (SURNAMES A-K)		
Enrollment year	2019/2020	
Academic year	2021/2022	
Regulations	DM270	
Academic discipline	SECS-P/06 (APPLIED ECONOMICS)	
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING	
Course	BIOENGINEERING	
Curriculum	PERCORSO COMUNE	
Year of study	3°	
Period	(27/09/2021 - 21/01/2022)	
ECTS	6	
Lesson hours	45 lesson hours	
Language	Italian	
Activity type	WRITTEN AND ORAL TEST	
Teacher	BRENNA ELENKA - 6 ECTS	
Prerequisites	Basic notions of analytical geometry and differential calculus	
Learning outcomes	The course provides students with the most important analytic paradigms and methodological tools to analyze the economic context and to understand the economic logic that drives the choices of individuals and firms in a market economy. To this end, it presents an introduction to the concepts and basic models developed by the economic discipline to interpret markets' equilibria (in the different regimes of competition, oligopoly and monopoly) and to assess their degree of efficiency, to understand how private incentives work and the contexts that require public interventions (through regulation and antitrust). The various topics are addressed with particular attention to real world applications.	
Course contents	The course provides an introduction to the main concepts and models of	

microeconomics. Topics are chosen on the basis of their interest for undergraduate students of Engineering. Basic elements of differential calculus are applied to model the economic actors' choices within alternative market contexts

Introduction to the main concepts and principles of Economics

The consumers' choices

Supply and demand

Elasticity and its applications

The efficiency of markets

The markets for factors of production

The costs of production

Firms in competitive markets

Monopoly

Introduction to game theory

Oligopoly

Monopolistic competition

Market failures: externalities, public goods and common resources

Teaching methods

Lectures (hours/year in lecture theatre): 45, by using powerpoint presentations made available to the students on the instructor's webpage and additional discussions on the blackboard.

Practical class (hours/year in lecture theatre): 0

Practicals / Workshops (hours/year in lecture theatre): 0

Reccomended or required readings

N.G. Mankiw and M.P.Taylor, Principi di Microeconomia, Zanichelli, 2015, selected chapters; downloadable materials available at http://economia.unipv.it/webbalco/ProgrammaEconomia.html

Assessment methods

Written exam with open questions

Further information

Written exam with open questions

Sustainable development goals - Agenda 2030

\$lbl legenda sviluppo sostenibile



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Activity type	WRITTEN AND ORAL TEST
Teacher	FONTANA ROBERTO - 6 ECTS
Prerequisites	Basic notions of analytical geometry and differential calculus
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