



UNIVERSITÀ DI PAVIA

Anno Accademico 2017/2018

ECONOMICS (SURNAME A-K)	
Enrollment year	2017/2018
Academic year	2017/2018
Regulations	DM270
Academic discipline	SECS-P/06 (APPLIED ECONOMICS)
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING
Course	ELECTRONIC AND COMPUTER ENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(02/10/2017 - 19/01/2018)
ECTS	6
Lesson hours	45 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	BERTOLETTI PAOLO - 6 ECTS
Prerequisites	Basic notions of analytical geometry and differential calculus
Learning outcomes	<p>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.</p>
Course contents	The course provides an introduction to the main concepts and models of

	<p>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</p> <p>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</p>
Teaching methods	<p>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</p>
Reccomended or required readings	<p>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</p>
Assessment methods	<p>Written exam with open questions</p>
Further information	<p>Written exam with open questions</p>
Sustainable development goals - Agenda 2030	<p>\$Ibl legenda sviluppo sostenibile</p>