



ENVIRONMENTAL ECONOMICS	
Enrollment year	2018/2019
Academic year	2018/2019
Regulations	DM270
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	CIVIL AND ENVIRONMENTAL ENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	1st semester (01/10/2018 - 18/01/2019)
ECTS	6
Language	Italian
Prerequisites	Basic knowledge of analytical geometry and differential calculus.
Learning outcomes	The aim is to introduces students to economic concepts and principles that will provide the foundation necessary for a proper understanding of how economies work, then we will use these principles to explain the complex relation between enviroment and economics
Course contents	the program it is divided in two main parts: Microeconomics and environmental economics
Teaching methods	the course is mainly based on frontal lessons, also we will discuss some exercise and some practical case
Reccomended or required readings	-Frank-Cartwright, "Microeconomia", Mcgraw-Hill, 2014, sesta edizione, (chapters 1 - 4, 9 - 12 and 15); -Musu "Introduzione all'economia dell'ambiente", Il Mulino, Bologna, (chaptersi 1 , 2 and 3).
Assessment methods	written examination
The activity is split	

500472 - **ENVIRONMENTAL ECONOMICS (SURNAMES A-K)**

500472 - **ENVIRONMENTAL ECONOMICS (SURNAMES L-Z)**



# UNIVERSITÀ DI PAVIA

Anno Accademico 2018/2019

## ENVIRONMENTAL ECONOMICS (SURNAME A-K)

Enrollment year	2018/2019
Academic year	2018/2019
Regulations	DM270
Academic discipline	SECS-P/03 (FINANCE)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	CIVIL AND ENVIRONMENTAL ENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/10/2018 - 18/01/2019)
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	<p>The course provides an introduction to the main concepts and models of microeconomics. Topics are chosen on the basis of their interest for</p>

	<p>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>
<b>Teaching methods</b>	<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>
<b>Reccomended or required readings</b>	<p>N.G. Mankiw and M.P.Taylor, Principi di Microeconomia, Zanichelli, 2015, selected chapters; downloadable materials available at <a href="http://economia.unipv.it/webbalco/ProgrammaEconomia.html">http://economia.unipv.it/webbalco/ProgrammaEconomia.html</a></p>
<b>Assessment methods</b>	<p>Written exam with open questions</p>
<b>Further information</b>	<p>Written exam with open questions</p>
<b>Sustainable development goals - Agenda 2030</b>	<p><a href="#">\$lbl_legenda_sviluppo_sostenibile</a></p>



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## ENVIRONMENTAL ECONOMICS (SURNAMES L-Z)

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Course	CIVIL AND ENVIRONMENTAL ENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/10/2018 - 18/01/2019)
ECTS	6
Lesson hours	45 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	FONTANA ROBERTO - 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>
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