Syllabus

Descrizione corso

Titolo insegnamento	Economia del cambiamento climatico
Codice insegnamento	27360
Titolo aggiuntivo	
Settore Scientifico-Disciplinare	SECS-P/02
Lingua	Inglese
Corso di Studio	Corso di laurea in Economia e Management
Altri Corsi di Studio (mutuati)	
Docenti	prof. dr. Elisabeth Gsottbauer, Elisabeth.Gsottbauer@unibz.it https://www.unibz.it/en/faculties/economics-management/academic-staff/person/36371
Assistente	
Semestre	Secondo semestre
Anno/i di corso	optional
CFU	6
Ore didattica frontale	36
Ore di laboratorio	-
Ore di studio individuale	-
Ore di ricevimento previste	
Sintesi contenuti	The course introduces students to the economic theory and instruments of climate policy. Core topics include the science of climate change, integrated assessment models, the social cost of carbon, and economic policy tools for mitigation and behavioral change. Students learn to apply economic theory to evaluate climate policies, critically assess data and models, and understand behavioral biases in decision-making.

	The course combines analytical frameworks with empirical evidence and case studies to equip students with practical skills for climate policy analysis.
Argomenti dell'insegnamento	This course provides an introduction to the economics of climate change, combining scientific foundations with economic theory and practical policy analysis. Students will first develop a solid understanding of the basic science of climate change, including key concepts such as greenhouse gas dynamics and the links between economic growth and environmental quality. Building on this foundation, the course explores how climate change impacts are assessed, from evaluating vulnerability and human capital effects to analyzing adaptation strategies and the economic costs of climate disruptions. The second part of the course focuses on mitigation and policy solutions, examining global emission trends, technological options, and the economic logic behind instruments such as carbon taxes, emissions trading systems, subsidies, and regulatory approaches. Special attention is given to the social cost of carbon and the practical functioning of carbon markets worldwide. Alongside policy design, the course addresses the role of corporations and competitiveness under climate regulation, as well as the behavioral dimensions of climate action, including biases, social norms, and interventions that shape decision-making.
Parole chiave	Climate Policy; Environmental Economics; Mitigation and Adaptation; Carbon Pricing; Behavioral Climate Action
Prerequisiti	
Insegnamenti propedeutici	
Modalità di insegnamento	The course is taught through a combination of lectures, in-class discussions, and applied exercises. While lectures provide the theoretical and empirical foundations of climate economics, students are actively involved in discussing assigned case studies and research papers prepared at home.
Obbligo di frequenza	Not compulsory but recommended
Obiettivi formativi specifici e risultati di apprendimento attesi	

Obiettivi formativi specifici e risultati di apprendimento attesi (ulteriori info.)	
Modalità di esame	For attending students, grading is based on a final exam containing open questions which makes up 100%. Non attending students will be assessed through a final exam test (100%) that covers all course material.
Criteri di valutazione	The written exam evaluates students on their ability to demonstrate a clear understanding of core concepts in the economics of climate change and to apply these concepts to concrete policy questions. Answers are assessed based on the accuracy of economic reasoning, the ability to integrate scientific and empirical evidence, and the clarity and coherence of argumentation.
Bibliografia obbligatoria	IPCC Special Report on Global Warming of 1.5C (2018) Perman, R. (2003). Natural resource and environmental economics. Pearson Education. Stern, N. (2006). Stern Review: The economics of climate change.
Bibliografia facoltativa	
Altre informazioni	
Obiettivi di Sviluppo Sostenibile (SDGs)	Lotta contro il cambiamento climatico