



JAGIELLONIAN
UNIVERSITY
IN KRAKÓW

Environmental Economics and Sustainable Finance

Educational subject description sheet

Basic information

Field of study Joint Bachelor in Sustainability		Education cycle 2025/26	
Speciality Geography & Economics		Subject code UJ.WPAJBSGEC.S.8100.16524.25	
Organizational unit Faculty of Law and Administration		Lecture languages english	
Study level first cycle (joint degree programme)		Subject related to scientific research Yes	
Study form full-time degree programme		Disciplines Economics and finance	
Education profile General academic		ISCED classification 0311 Economics	
Mandatory obligatory		USOS code	
Subject coordinator	Piotr Szwedo		
Lecturer	Gunther Capelle-Blancard, Stef Proost		
Period Semester 5	Examination exam	Number of ECTS points 5.0	
	Activities and hours Discussion class: 45		

Goals

C1	Acquire knowledge of sustainability-related issues and concepts in the corporate world and on a local and global scale.
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Subject's learning outcomes

Code	Outcomes in terms of	Effects	Examination methods
Knowledge - Student knows and understands:			
W1	essential international instruments and institutions related to sustainability and explain their potential role in the resolution of a given problem.	JBS_K1_W05	written exam
W2	interconnections between various aspects of sustainability and identify their significance in the context of natural and social sciences, with a special focus on disciplines included in the selected specialisation track (law and politics; chemistry and physics; environmental and life sciences; economics and geography; economics, management and engineering; humanities).	JBS_K1_W06	written exam
Skills - Student can:			
U1	present and report knowledge, methodologies, ideas, problems and solutions, clearly and comprehensively, in different forms destined for different audiences - including discussions and debates which require defending a substantiated opinion, as well as conversations in a foreign language at the CEFR B2 level.	JBS_K1_U02	written exam
Social competences - Student is ready for:			
K1	to consider different visions of the globalization and develop their own evidence-based opinions in reference to the balance of values, with a special focus on environmental policies.	JBS_K1_K03	written exam

Calculation of ECTS points

Activity form	Activity hours*
Discussion class	45
problem analysis	45
preparation for the exam	30
preparation for classes	15
Student workload	Hours 135
	ECTS 5.0

* hour means 45 minutes

Study content

No.	Course content	Subject's learning outcomes
1.	Section 1: Environmental Policies and Economics: Prices, Taxation, Norms 4.1.25. <ul style="list-style-type: none"> • Market Failures • Economic Incentives for Environmental Protection under perfect or imperfect information • Pollution Taxes • Pollution Permits • Norms 	W1, W2, U1, K1
2.	Section 2: Sustainable finance 4.2.26 <ul style="list-style-type: none"> • What is sustainable finance? • Corporate social responsibility (CSR) and socially responsible investing (SRI) • The financial performance • The extra-financial performance • Behaviors 	W1, W2, U1, K1
3.	Section 3: Topics in Environmental Economics : Globalization, Transport and the Environment 4.2.27. <ul style="list-style-type: none"> • Spatial distribution of global (GHG) and local transport emissions and the environmental Kuznetz curve • Economic productivity, amenity and health effects of local and global pollutants • Globalization: long term trends of cheaper transport and its effects on location of economic activity at urban, regional and world level • Policies to deal with global pollution emissions of transport (decarbonization of land, sea and air transport) • Policies to deal with local pollution emissions of transport (cleaner cars and trucks and car free city centers) 	W1, W2, U1, K1

Course advanced

Teaching methods :

text analysis, brainstorming, conversation lecture, practicals

Activities	Examination methods	Credit conditions
Discussion class	written exam	Active participation (non-graded), written exam based on open questions (graded).

Entry requirements

None

Literature

Obligatory

1. Core Econ Team (2024), The Economy 2.0 : Microeconomics, url : <https://www.core-econ.org/project/the-economy-2-0-microeconomics/>
2. Core Econ Team (2024), The Economy 2.0 : Macroeconomics, url : <https://www.core-econ.org/new-edition-of-the-economy/>
3. Core Econ Team (2024), Experiencing Economics, url : <https://www.core-econ.org/project/experiencing-economics/>
4. Core Econ Team (2024), Doing Economics, url : <https://www.core-econ.org/project/doing-economics/>
5. Core Econ Team (2024), The Economy 1.0, url : <https://www.core-econ.org/project/core-the-economy/>
6. Core Econ Team (2024), Economy, Society, and Public Policy, url : <https://www.core-econ.org/project/core-espp/>

Effects

Code	Content
JBS_K1_K03	The graduate can consider different visions of the future and develop own evidence-based opinions in reference to the balance of values linked to economic development, social welfare, and environmental protection.
JBS_K1_U02	The graduate can present and report knowledge, methodologies, ideas, problems and solutions, clearly and comprehensively, in different forms destined for different audiences - including discussions and debates which require defending a substantiated opinion, as well as conversations in a foreign language at the CEFR B2 level.
JBS_K1_W05	The graduate can identify essential international instruments and institutions related to sustainability and explain their potential role in resolution of a given problem.
JBS_K1_W06	The graduate can describe interconnections between various aspects of sustainability and identify their significance in the context of natural and social sciences, with a special focus on disciplines included in the selected specialisation track (law and politics; chemistry and physics; chemistry and biology; economics and geography; economics, management and engineering; humanities).