University of Gdańsk

Subject card

Subject name and code	Economy and Environment, PG_00199191						
Field of study	International Economic Relations						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Bachelor's studies		Subject group	Obligatory subject group in the field of study Optional subject group			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	2		Language of instruction	Polish			
Semester of study	3		ECTS credits	2.0			
Learning profile	academic		Assessment form	exam			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Barbara Pawłowska, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	30		4.0		16.0	50
Subject objectives	As a result of completing the course, the student develops the ability to view economic processes from the perspective of protecting and rationally using natural capital, understands the principle of sustainable development, and can identify tools that facilitate steering the economy towards this developmental path. They take social costs and benefits into account in everyday decisions.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[MSGL3_W01] has an advanced knowledge of economic sciences, in particular of economics and its place in the system of sciences, including within related disciplines	The student has advanced knowledge in the field of economic sciences, particularly in economics and its place within the system of sciences, including related scientific disciplines. They are also familiar with heterodox currents and proficient in using universal economic terminology.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
[MSGL3_W08] has a knowledge and understanding of the various dilemmas of contemporary civilisation, including the strategy of sustainable development and corporate social responsibility	The student is able to analyze the impact of economic activity on the environment and apply the principles of sustainable development and corporate social responsibility to assess contemporary civilizational challenges.	[SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[MSGL3_W06] has knowledge and understanding of relations between economic entities and public institutions functioning in the national, international and intercultural realms	The student possesses advanced knowledge of the relationships between economic entities, social organizations, and the natural environment from a global perspective.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task
[MSGL3_W09] has a knowledge about a human being as an individual making economic decisions, acting within social structures and organisational units (in particular enterprises) or conducting individual economic activity	The student has knowledge of the human as an economic decision-maker operating within social structures and organizational units, particularly in enterprises or conducting individual economic activities. They also understand human interactions with the environment and are well-versed in the motives behind economic decision-making related to the use of natural capital.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion [SW5] implementation of a problem task

Subject contents	Topic I: An overview of contemporary ecological issues, the interrelationships between the environment and the economy (4 hours); Topic II: The natural environment as the basis of human existence (2 hours); • Social aspects of environmental use; • Legal aspects of environmental use; • Economic aspects of environmental use; Topic III: Management as a process of rational use of matter and energy (4 hours); • The physical dimension of management processes; • Resources and factors of production; • The role of energy in management processes; Topic IV: Material bases of consumption processes (2 hours) • Human needs and ways of satisfying them; • Trends and consequences of contemporary consumption development; Topic V: Environmental threats caused by anthropogenic human activity (4 hours); • Global climate changes; • Destruction of the ozone layer; • Deforestation of the Earth's surface; • Pollution of the hydrosphere; • Degradation of the landscape and destruction of biodiversity; Topic VI: The impact of economic sectors and forms of management on the natural environment (4 hours); Topic VII: Ecological issues in economic theory (2 hours); • Ecologization of the economy and economization of the environment; • Market efficiency under perfect competition and its failure in the presence of external costs and public goods • Correcting external effects: Pigou tax and Pareto equilibrium, Coase's theorem • The process of internalizing external effects Topic VIII: Economic accounting in environmental protection (4 hours); • Concept and characteristics of economic accounting in environmental protection; • Environmental losses/benefits; • Methods for assessing ecological losses; Topic IX: Foundations of ecological policy (4 hours); • The essence and concept of ecological policy; • Sustainable development as the basis of ecological policy; • Actors of ecological policy; • Goals, principles, and directions of the policy; • Policy instruments; To further develop the concepts discussed during the lectures, students have the opportunity to participate in consultations.
Prerequisites and co-requisites	Basic knowledge of microeconomics and macroeconomics.
Assessment methods and criteria	

Subject passing criteria	Passing threshold	Percentage of the final grade
Completion of a problem-based task.	50.0%	20.0%
For groups with fewer than 100 people, a project will be assigned. For groups larger than 100 people, an examination test will be administered.	50.0%	80.0%

Recommended reading	Basic literature	1. Wprowadzenie do zrównoważonego rozwoju, pod red. A. Drosich, D. Heidrich, M. Ratajczak, Wydawnictwo naukowe Scholar, Warszawa 2022, https://zr.humandoc.pl/wp-content/uploads/2019/10/2022_Wprowadzenie-do-zrownowazonego-rozwoju-epdf_compressed.pdf. 2. Klimatyczne ABC, pod red. M. Budziszewskiej, A. Kardaś, Z. Bohdanowicza, Wyd. UW, Warszawa 2021, https://www.wuw.pl/product-pol-13475-Klimatyczne-ABC-Interdyscyplinarne-podstawy-wspolczesnej-wiedzy-o-zmianie-klimatu-PDF.html; 3. Gospodarka a środowisko i ekologia, pod red. K. Małachowskiego, Wydawnictwa Fachowe CeDeWu, Warszawa 2010; 4. B. Pawłowska: Zrównoważony rozwój transportu na tle współczesnych procesów społeczno-gospodarczych, Wyd. UG, Gdańsk 2013.
	Supplementary literature	1. Zeroemisyjna Polska 2050 https://www.wwf.pl/sites/default/files/2020-09/0%20raport_zeroemisyjna_2050%20full%20FINAL.pdf 2. Zielona gospodarka czyli green economy, https://wlaczoszczedzanie.pl/zielona-gospodarka-czyli-green-economy/#h-zazielenienie-gospodarki 3. https://wlaczoszczedzanie.pl/biblioteka-ekologa/ 4. https://www.gridw.pl/publikacje
	eResources addresses	
Example issues/ example questions/ tasks being completed	During consultations, problems arising during classes will be discussed.	
Work placement	Not applicable	

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