

Subject card

Subject name and code	Concepts of Green Economics, PG_00199726						
Field of study	Business and Environmental Technology						
Date of commencement of studies	October 2026		Academic year of realisation of subject			2026/2027	
Education level	Master's studies		Subject group			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	1		Language of instruction			Polish	
Semester of study	1		ECTS credits			3.0	
Learning profile	academic		Assessment form			credit	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Jerzy Podlewski				
	Teachers		dr Jerzy Podlewski prof. dr hab. Jolanta Kumirska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		2.0		58.0	75
Subject objectives	The objective of this course is to acquire the skills and knowledge necessary to formulate green economy development goals for a selected local or regional area, design actions aimed at achieving those goals, understand the principles of allocating development funds, and monitor the progress of these actions and the achievement of the goals.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BiTEMU2_U02] uses in practice various forms and scope of acquired economic knowledge, complementing it with a critical analysis of effectiveness and usefulness	Students acquire the ability to use various available means of acquiring knowledge—including traditional methods, online resources, artificial intelligence, and other sources—and develop the practical skill of analyzing and evaluating the relevance and accuracy of the information obtained in this way.	[SU2] presentation/project/paper/report [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[BiTEMU2_U01] is able, based on economic sciences, to correctly observe, interpret, and explain economic phenomena and processes and the mutual relations between them, using specialized economic terminology	Gains practical skills in designing an economic development plan, with a particular focus on the concept of a green economy in a selected local or regional area	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task
	[BiTEMU2_W01] provides an in-depth analysis of the relationship between economics and environmental technology, and their place within the social and natural sciences.	Based on the natural sciences (particularly chemistry), they are able to identify and interpret the conditions and limitations of implementing the green economy concept and propose solutions that combine elements of economics and the natural sciences.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[BiTEMU2_W03] has in-depth knowledge of economic processes, phenomena, entities, structures and institutions as well as the detailed principles of their functioning	He or she is able to identify and interpret the conditions and constraints involved in implementing the green economy concept and to propose solutions that combine elements of economics and the natural sciences.	[SW2] presentation/project/paper/report
	[BiTEMU2_K05] is aware of the importance of business ethics and corporate social responsibility in professional life and demonstrates a willingness to act with respect for others and the principles of professional loyalty and loyalty to the company, understood as reliable and responsible performance of duties.	It develops a keen awareness of the company's internal and external environments.	[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work
	[BiTEMU2_K01] understands the need for lifelong learning, verifies the state of his/her economic knowledge, understands the need to inspire and organize the learning process of others; has the ability to use a foreign language to a degree enabling communication, including for professional purposes (level B2+ or higher)	Independently seeks out new sources of information, analyzes them, assesses their relevance, subjects them to critical analysis, and draws conclusions. Supports the team in the learning process both as a leader and as a team member.	[SK2] presentation/project/paper/report [SK8] observation of student's independent or team work
	[BiTEMU2_W05] knows various types of economic and social bonds and relations created by economic sciences and about the regularities that govern them	Students acquire the ability to apply various forms of analysis of economic relations at the micro- and macroeconomic levels and to draw conclusions useful for developing the concept of a green economy.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[BiTEMU2_W06] has in-depth knowledge of views on selected types of economic entities, structures and institutions as well as selected categories of economic ties and their historical evolution	Students acquire the ability to critically analyze various manifestations of economic activity, regulations, best practices, principles, and rules in order to determine their degree of compliance and suitability for the development of the green economy concept.	[SW5] implementation of a problem task

Subject contents	1. Definitions of the green economy 2. Benefits and costs of developing the green economy 3. Ways to support the development of the green economy 4. The green economy and the labor market 5. The green economy and lifestyle 6. Economic regulations to combat climate change 7. Strategies for green economy development and related operational measures 8. Building collaboration to promote green economy development 9. Implementation of green economy development programs 10. Assessment of the effectiveness of support for green economy development 11. Objective constraints and conditions for implementing the green economy concept		
Prerequisites and co-requisites	none		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final project	51.0%	100.0%
Recommended reading	Basic literature	G. Miranda i in., Zatrudnienie i rozwój lokalny w Polsce w kontekście zmian klimatycznych, OECD Paris 2011 Analiza zielonego rynku pracy w województwie podlaskim, WUP Białystok 2012 Praca wysokiej jakości na zielonym rynku pracy w województwie mazowieckim, pr. zbiorowa, IBnDiPP, Warszawa 2013 E. Sidorczuk-Pietraszko, Wdrażanie koncepcji zielonej gospodarki w regionach Polski, Wydawnictwo UwB, Białystok 2020 G. W. vanLoon, S. J. Duffy "Environmental chemistry, a global perspective", Oxford University Press, Oxford 2011	
	Supplementary literature	Enabling local green growth. Addressing Climate Change Effects on Employment and Local Development, OECD Paris 2012 K. Waldron "The chemistry of everything", Pearson/Prentice Hall, Upper Saddle River 2007 A guidebook to the Green Economy, Division for Sustainable Development, UNDESA, UN New York, Green Economy In Action: Articles and Excerpts that Illustrate Green Economy and Sustainable Development Efforts, UNDP, New York 2011 William Stafford and Kristy Facer, Steering towards a Green Economy: A reference guide, CSIR, Pretoria 2014	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Using the example of a life sciences company listed on the New Connect market of the Warsaw Stock Exchange, conduct a critical analysis of the implementation of the green economy concept.		
Work placement	Not applicable		

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