

Subject card

Subject name and code	Green Business Economics, PG_00199721						
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 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			4.0		
Learning profile	academic	Assessment form			exam		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Przemysław Kulawczuk				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	30.0	0.0	30.0	0.0	90
	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	90		0.0		10.0	100
Subject objectives	<ul style="list-style-type: none"> - presentation of legal and organizational forms of operation of ecological enterprises, - presentation of issues regarding starting a business in the field of ecological business, - presentation of issues related to business calculations in ecological business - familiarization with the issues of functioning of ecological enterprises, - presentation of key issues in the field of economics of ecological enterprises - familiarization with contemporary trends in the development of ecological business 						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BiTEMU2_W08] provides an in-depth description of the principles of creating and developing forms of individual entrepreneurship using knowledge from the field of economic sciences	describes the principles of creating and developing forms of individual entrepreneurship in ecological business	[SW4] test/exam - oral or written
	[BiTEMU2_W01] provides an in-depth analysis of the relationship between economics and environmental technology, and their place within the social and natural sciences.	describes the relationship between economics and ecological technology, for use in ecological business	[SW4] test/exam - oral or written
	[BiTEMU2_W04] has in-depth knowledge of the relationships between economic phenomena, entities, structures and institutions on a micro-, macroeconomic and sectoral scale, both in real and monetary terms	has in-depth knowledge of the relationships between phenomena, entities, structures and economic institutions in ecological business	[SW4] test/exam - oral or written
	[BiTEMU2_U03] independently proposes solutions to a specific economic problem and carries out procedures for making decisions in this area	independently proposes solutions to a specific economic problem in ecological business	[SU4] test/exam - oral or written
	[BiTEMU2_W02] distinguishes legal and administrative mechanisms and procedures in environmental protection and interprets it in depth manner	distinguishes legal and administrative mechanisms and procedures in ecological business and interprets its international dimension	[SW4] test/exam - oral or written
	[BiTEMU2_K03] understands the need to properly set priorities, plan and organize tasks related to their implementation, as well as monitor and evaluate progress	is able to properly define priorities and plan and organize tasks related to their implementation in ecological business	[SK1] oral statement/conversation/discussion
	[BiTEMU2_K04] by participating in the preparation of economic and social projects, he understands the need to reconcile legal, economic, ecological, political and social requirements; has the ability to plan own development, work in teams, take responsibility for actions and formulate opinions.	participates in the preparation of economic and social projects in ecological business	[SK5] 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	has in-depth knowledge of processes, phenomena, entities, structures and institutions operating in ecological business	[SW4] test/exam - oral or written
	[BiTEMU2_U02] uses in practice various forms and scope of acquired economic knowledge, complementing it with a critical analysis of effectiveness and usefulness	uses in practice various forms and scope of acquired knowledge from ecological business, supplementing it with a critical analysis of effectiveness and usefulness	[SU5] implementation of a problem task
	[BiTEMU2_K06] understands the needs of: thinking and acting in an entrepreneurial manner, communicating skillfully with the environment; adapting to new situations and conditions, taking on new challenges of creative thinking, and acquiring resilience to failure	is able to think and act in an entrepreneurial way in ecological business	[SK5] implementation of a problem task
	[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)	understands the need for lifelong learning, verifies the state of knowledge in the field of economics of ecological enterprises	[SK4] test/exam - oral or written

	Course outcome	Subject outcome	Method of verification
	[BiTEMU2_U04] independently analyzes economic phenomena and processes, makes a theoretical assessment of these phenomena in selected areas, using an appropriately selected research method	independently analyzes economic phenomena and processes in ecological business	[SU4] test/exam - oral or written
Subject contents	<p>Program content</p> <p>A. Topics of the lecture</p> <ol style="list-style-type: none"> 1. Introduction to the economics of ecological enterprises 2. Legal and organizational forms of ecological enterprises 3. Business calculations used in ecological business 4. Analysis and management of processes in ecological business 5. Managing people in the enterprise 6. Inventory management 7. Product design 8. Efficiency in the enterprise 9. Plant equipment layouts, location of enterprises 10. Managing the enterprise's potential 11. Basics of the enterprise manager's workshop 12. Working time management 13. The growth path of an ecological enterprise 14. Directions of development of ecological enterprises 		
Prerequisites and co-requisites	<p>A. Formal requirements None B. Entry requirements Ability to think logically and analyze data. Mathematics at the high school level. In learning the content of the subject, the principle of systematicity applies in identifying individual areas of operation of an ecological enterprise, so as to learn the entire sequence of the enterprise's operation.</p>		

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		Test + Activity during the lecture	51.0%
Recommended reading	Basic literature	List of literature A. Literature required to finally pass the course (pass the exam): A.1. used during classes Kowalska M., Misztal A., Ecological development of enterprises, University of Łódź Publishing House, Łódź 2019 Maryniak A. Green supply chain management, Poznań University of Economics Publishing House, Poznań 2019 Bugdoł M, Stańczyk I., Green people management. Green HRM, Difin, Warsaw 2021 Green energy in Poland, collective work edited by D. Niedziółka, CeDeWu, Warsaw 2012 Przedsiębiorstwo. Principles of operation, functioning, development. Collective work edited by J. Żurek F.R.U.G. Gdańsk 2007 Duraj J. Basics of business economics, PWE, Warsaw, 2004	
	Supplementary literature	A.2. studied independently by the student Rachunek wyników. Praca zb. pod red. E. Nowaka. DIFIN, Warszawa 2007 Schlesinger P. Sathe V., Schlesinger L., Kotter J.: Projektowanie organizacyjne. WN PWN, Warszawa 1999 Skrzypek J., Filar E.: Biznesplan. Poltext, Warszawa 2007 B. Literatura uzupełniająca Chodyński A., Przedsiębiorczość ekologiczna a rozwój przedsiębiorstwa, Przegląd Organizacji, nr 2/2009 Bień W., Zarządzanie finansami przedsiębiorstwa, Difin, Warszawa 2001 Pawlak Z.: Biznesplan. Zastosowania, przykłady. Poltext, Warszawa 2002 Kodeks spółek handlowych (KSH), Kodeks Pracy, Ustawodawstwo gospodarcze, finansowe, podatkowe, o rachunkowości itp.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Determining ways to organize ecological business Product and process modifications Process analysis in ecological business Selection of optimal manufacturing methods Resource management in the enterprise Ways to ensure management efficiency Ecological business location		
Work placement	Not applicable		

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