GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Sustainable Innovation and Entrepreneurship, PG_00068751		
Field of study	Management		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2027/2028
Education level	second-cycle studies	Subject group	Optional subject group Specialty 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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Entrepreneurship -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor		
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	30.0	0.0	0.0	0.0	45

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	45	5.0	50.0	100

Subject objectives

Creates innovative organization management processes using the concept of sustainable development

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U01] creates innovative solutions for complex and unstructured processes, considering unpredictable environmental conditions through the synthesis of information from various sources.	can develop innovative and sustainable solutions to complex entrepreneurial problems by synthesizing information from various sources and adapting to changing environmental conditions	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools
[K7_W06] knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.	has in-depth knowledge of assessing the reliability of data used in innovation and entrepreneurship analyses	[SW3] Assessment of knowledge contained in written work and projects

<table>
<tr><td>Subject contents</td><td>Course content – lecture
LECTURE
Introduction to the course organization and requirements and the main topic
Economic entrepreneurship theories in the light of current challenges
Sustainable development and entrepreneurship: definitions, determinants, actors and processes
A short debate between corporate social responsibility, sustainable development, and circular economy
Types and characteristics of sustainable entrepreneurship and innovation
Conditions for sustainable innovation: from administering a technical challenge to managing an entrepreneurial opportunity. Circular entrepreneurship ecosystems
Sustainable innovation in high and low-tech-intensive sectors
Open innovations and sustainability
Social innovation and entrepreneurship as facilitators of the adoption of new industry practices
Identifying and designing sustainable business models through sustainable value creation
Ecopreneurship and ecopreneurs: limits, trends, and characteristics
Green startups and their specific characteristics and challenges
Sustainable entrepreneurship orientation (sustainable corporate entrepreneurship)
Financing sustainable innovations and enterprises
Summary
TUTORIAL
Creativity/innovation/entrepreneurship
Recognizing a social and ecological problem
Recognizing social and ecological opportunity
Developing a triple-bottom-line solution
Funding and forming a sustainable enterprise
Creating or entering a sustainable market
Business Model Canvas vs. Lean Canvas</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Tests in the semester</td><td>60.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Wagner, M. (ed.). (2017). Entrepreneurship, Innovation and Sustainability. Routledge
Aagaard, A. (ed.). (2019). Sustainable Business Models, Innovation, Implementation and Success. Palgrave Macmillan Cham</td></tr><tr><td>Supplementary literature</td><td>Bakry, D.S., Daim, T., Dabic, M., Yesilada, B. (2022). An evaluation of the effectiveness of innovation ecosystems in facilitating the adoption of sustainable entrepreneurship, Journal of Small Business Management, 1-27
Han, Y., Niu, Q. (2023). Enhancing green radical product innovation through sustainable entrepreneurship orientation and sustainable market orientation for sustainable performance: managerial implications from sports goods manufacturing enterprises of China, Economic Research-Ekonomska Istraživanja, 1-20</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Define the sustainable development challenges and describe entrepreneurs' role in achieving the Sustainable Development Goals (SDGs)
What social and open innovations are? What is their place in todays economic reality?
Describe some characteristics and challenges of green startups?
What are the conditions for sustainable innovation? The role of the circular entrepreneurship ecosystems</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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