GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	SUSTAINABLE DEVELOPMENT CONCEPT, PG_00058526		
Field of study	Economics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	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	2	Language of instruction	Polish
Semester of study	4	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	exam

Conducting unit	Katedra Ekonomii -> Faculty of Management and Economics	
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Aleksandra Parteka
	Teachers	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	30.0	0.0	0.0	0.0	60

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	60	5.0	35.0	100

Subject objectives

Describes economic aspects of sustainable development concept.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U06] acquires new knowledge by planning lifelong learning strategies	acquires new knowledge necessary to conduct economic analyzes of the implications of the sustainable development concept	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_W03] identifies reliable sources of information relevant to the analyzed issues	identifies reliable sources of information required to conduct economic analyzes of the implications of the sustainable development concept	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects

Subject contents

The concept of sustainable economic development. Sustainable Development Goals
Economic growth and 'post-growth' / 'de-growth'
Theoretical approaches - from traditional economics to the economics of sustainable development
Development measurement- from the traditional approach to holistic measures of development
History of development in the world
Development factors: physical capital, human capital, social capital, innovations
Technology and technological progress in the processes of growth and development
Demographic factors and migrations in sustainable economic development
The problem of inequality, polarization and income distribution
Sustainable resource management, natural environment, energy transition and circular economy
The sharing economy
The role of trade in sustainable development
Sustainable development at the macroeconomic, regional and local level

Prerequisites and co-requisites

Knowledge of basic macroeconomics

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project	60.0%	50.0%
written exam	60.0%	50.0%

Recommended reading	Basic literature	Jackson, T. (2017) Prosperity without Growth: Foundations for the Economy of Tomorrow. Routledge Wiesmeth, H. (2020). *Implementing the Circular Economy for Sustainable Development*. Elsevier. Sachs, J. D. (2015). The age of sustainable development. In *The Age of Sustainable Development*. Columbia University Press. Adenle, A. A., Chertow, M. R., Moors, E. H., & Pannell, D. J. (Eds.). (2020). *Science, Technology, and Innovation for Sustainable Development Goals: Insights from Agriculture, Health, Environment, and Energy*. Oxford University Press. Česnuityte, V., Klimczuk, A., Miguel, C., & Avram, G. (2022). The Sharing Economy in Europe: Developments, Practices, and Contradictions.
	Supplementary literature	Piketty Thomas (2021). *Capital in the Twenty-First Century*. Harvard University Press
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Explain the 'post-growth' concept. What are the main challenges related to the use of sustainable energy solutions?	
Work placement	Not applicable	