GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Socio-Economic Development, PG_00074011		
Field of study	Economic Analytics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Optional subject group
Mode of study	Part-time studies (on-line)	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	4	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Economic -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Ewa Lechman	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	0.0	24.0	0.0	24

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	24	3.0	48.0	75

Subject objectives

The aim of the course is to deepen students' knowledge of the mechanisms, determinants, and disparities of socio-economic development at the local, regional, and global levels. During the course, students will become familiar with the main theories of development and the role of demographic, institutional, technological, social, and environmental factors. They will also develop skills in selecting indicators, collecting and interpreting statistical data, and applying comparative and multivariate analysis methods to assess levels of development, inequalities, and processes of economic convergence. Another objective of the course is to foster students' ability to critically evaluate the effects of globalization, labour market transformations, digitalization, and the green transition, as well as the effectiveness of public policies.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W01] "demonstrates in-depth knowledge and understanding of economic problems, and selects methods for resolving them while taking into account the complex interrelationships among the phenomena being analyzed. "	he student has an in-depth understanding of the theories, mechanisms, and determinants of socio-economic development, as well as methods for its analysis and assessment.	[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge
[K7_U01] creates innovative solutions for complex and unstructured processes, considering unpredictable environmental conditions through the synthesis of information from various sources.	The student is able to analyse complex socio-economic development processes using data from various sources and formulate conclusions and recommendations.	[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information

Subject contents	Course content – project 1. Socio-economic development: definitions, development vs. economic growth, multidimensionality. 2. Development theories: classical, neoclassical, endogenous, institutional; convergence and divergence. 3. Development determinants: human and social capital, technology, institutions, history and geography. 4. Measuring development: GDP per capita, HDI, MPI, Gini coefficient; composite indicators. 5. Income and wealth inequality: causes, effects, redistribution, poverty and social mobility. 6. Spatial development disparities: countries, regions, urban and rural areas; polarization. 7. Demography and migration: population ageing, structural changes and economic effects. 8. Labour market: employment, unemployment, productivity, job quality and structural changes. 9. Education and health: human capital, skills and their role in development. 10. Innovation and digitalization: knowledge economy, automation, AI and technological divides. 11. Globalization: trade, foreign investment, global value chains and interdependence. 12. Sustainable development: SDGs, circular economy and energy transition. 13. State and institutions: fiscal, social, regional and industrial policies; policy effectiveness. 14. Development analysis: comparative, multivariate and taxonomic methods, composite indices, clustering. 15. Development challenges: crises, climate, demography, inequality, resilience and forecasting.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Empirical project (written)	60.0%	90.0%
Project presentation	60.0%	10.0%

Recommended reading	Basic literature
	1. Sen A. (1999). Development as Freedom. Oxford University Press. 2. Acemoglu D., Robinson J. A. (2012). Why Nations Fail: The Origins of Power, Prosperity, and Poverty. Crown Publishers. 3. Piketty T. (2014). Capital in the Twenty-First Century. Harvard University Press. 4. Thematic reports of UNDP
	Supplementary literature
	1. Landes D. S. (1998). The Wealth and Poverty of Nations: Why Some Are So Rich and Some So Poor. W. W. Norton & Company, New York. 2. Sachs J. D. (2005). The End of Poverty: Economic Possibilities for Our Time. Penguin Press.

	eResources addresses	
Example issues/ example questions/ tasks being completed	1. Comparative analysis of socio-economic development levels in selected European Union countries based on economic and social indicators. 2. Assessment of disparities in socio-economic development among Polish voivodeships using selected multivariate analysis methods. 3. Analysis of the impact of selected demographic, institutional, and technological factors on the socio-economic development of countries or regions.	
Practical activites within the subject	Not applicable	

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