GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	DIGITAL ECONOMY, PG_00058478		
Field of study	Economics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2026/2027
Education level	first-cycle 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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	exam
Conducting unit	Department of Economic -> Faculty of Management and Economics		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Ewa Lechman	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	15.0	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	10.0	45.0	100

Subject objectives

Explains fundamentals and impact of digital technologies in socio-economic systems, emphasizing their impact on economic development.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U07] applies information technology to improve data analysis and decision-making processes.	uses information tools to solve current economic problems.	[SU2] Assessment of ability to analyse information
[K6_W06] classifies acquired information, assessing its usefulness in solving the formulated problem.	classifies informations stocks, and assess its usefullnes for digital economy analysis.	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

Technological progress - fundamentals and paradigms.
Technological progress for economic development.
Technological progress in historical perspective. Technological revolutions.
Digital technologies and their uniqueness. Features and adaptability.
Diffusion process.
Network effects and their implications.
Digital technologies in modern economies.
Digital technologies and structural changes.
Digital technologies for labor markets.
Electronic trade and digital globalization.
Digital technologies for economically backward countries.
Digital technologies - potential risks.

Prerequisites and co-requisites

Macroeconomics

Assessment methods and criteria

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

Recommended reading	Basic literature	Śledziewska, K., Włoch, R. (2020). Gospodarka Cyfrowa. Warszawa: Wydawnictwo Uniwersytetu Warszawskiego. Beschorner, N., Neumann, J., Sanchez Martin, M. E., Larson, B. (2018). Benefiting from the Digital Economy. World Bank. Brynjolfsson, E., Kahin, B. (Eds.). (2002). Understanding the digital economy: data, tools, and research. MIT press. Brynjolfsson, E., & McAfee, A. (2014). The second machine age: Work, progress, and prosperity in a time of brilliant technologies. WW Norton & Company. Landes, D. S. (2003). The unbound Prometheus: technological change and industrial development in Western Europe from 1750 to the present. Cambridge University Press. Perez, C. (2003). Technological revolutions and financial capital. Edward Elgar Publishing.
	Supplementary literature	Selected readings delivered during classes.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Explain the role of technological progress in global shifts. Identify digital technologies features assesive for their adaptability. Identify diigtal technologies impact on labor markets.	
Work placement	Not applicable	

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