



Subject card

Subject name and code	Digital Economy, PG_00067964						
Field of study	Economics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
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		3.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Economic -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor						
	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		5.0		25.0	75
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_W06] understands and applies methods for classifying and evaluating acquired information based on advanced general and specialized knowledge, with consideration of their application in various types of professional activities.		knows and understands methods for classifying and evaluating information and applies them in the analysis of digital economy phenomena		[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U06] acquires specialized knowledge in the field of economics, demonstrating the ability to effectively plan individual work and pursue lifelong learning.		is able to select and apply IT tools to solve problems of the digital economy, developing competencies within the framework of lifelong learning		[SU2] Assessment of ability to analyse information		
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	Śledziwska, K., Włoch, R. (2020). Gospodarka Cyfrowa. Warszawa: Wydawnictwo Uniwersytetu Warszawskiego. Beschoner, 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 asseseive for their adaptability. Identify diigtal technologies impact on labor markets.	
Work placement	Not applicable	

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