



## Subject card

Subject name and code	GLOBAL DIGITAL TRANSFORMATION, PG_00061205						
Field of study	Management						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	first-cycle studies		Subject group		Optional subject group		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		English		
Semester of study	6		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Informatics In Management -> Faculty Of Management And Economics -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Tomasz Janowski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	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	30		5.0		15.0	50
Subject objectives	Assesses the impact of global digital transformation, analyzing its characteristics, benefits and threats						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U07] uses information technology to improve data analysis and decision-making processes		identifies factors affecting digitization processes in the economy and social life, using information technologies in critical assessments		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_U02] prepares and delivers persuasive verbal and written presentations		develops and presents professional studies of analysis results, presenting advanced interpretation of the studied phenomena		[SU5] Assessment of ability to present the results of task		
Subject contents	An introduction to digital transformation Problems of global implementation of digital transformation Types of digital transformation Features that define digital transformation The benefits of digital transformation Inequalities of benefits from digital transformation Who benefits the most from digital transformation What is the impact of digital transformation on the scope of benefits						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Individual assessment		60.0%		60.0%		
	Team project		60.0%		40.0%		
Recommended reading	Basic literature		E. Brynjolfsson and A. McAfee, The Second Machine Age, 2016 Measuring the Information Society Report 2018, International Telecommunication Union, <a href="https://www.itu.int/en/ITU-D/Statistics/Documents/publications/misr2018/MISR-2018-Vol-1-E.pdf">https://www.itu.int/en/ITU-D/Statistics/Documents/publications/misr2018/MISR-2018-Vol-1-E.pdf</a>				
	Supplementary literature		A. McAfee and E. Brynjolfsson, Machine, Platform, Crowd, 2017 T. M. Siebel, Digital Transformation, 2019 B. Boorsma, A New Digital Deal, 2018 K. Kelly, The Inevitable, 2016 M. Raskino and G. Waller, Digital to the Core, 2015				
	eResources addresses		Adresy na platformie eNauczanie:				

Example issues/ example questions/ tasks being completed	What do society and business want from digitalization Does digitization have business value by itself Is society responding to technological change reactively or proactively What is the main difference between digitization and digitalization What is the main difference between digitalization and digital transformation Which elements could be applied to measure human social development What are the parallels between the first and the second machine age Why is access to technology not accurate to represent the usage of technology How is the international bandwidth calculated What types of digital skill can you describe Explain why inequalities in digital skills follow traditional inequality patterns What is the structure of the ICT sector Describe the revenue trends in the ICT sector Is digital technology already mature What benefits digital technology bring to us Can digital technology improve the and how physical world What are the negative consequences of digital transformation Which skills/abilities will be of value in the second machine age, which wont
Work placement	Not applicable

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