



## Subject card

Subject name and code	GLOBAL DIGITAL TRANSFORMATION, PG_00061479						
Field of study	Engineering Management						
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	Part-time studies (on-line)	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 Informatics in Management -> Faculty of Management and Economics						
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	16.0	0.0	8.0	0.0	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	5.0		71.0		100
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_U02] prepares and presents convincing, professional presentations of the results of its activities, with their advanced interpretation	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		
	[K6_W03] identifies reliable sources of information relevant to the analyzed issues	identifies all factors influencing digitization processes in the economy and social life, using them in critical assessments			[SW1] Assessment of factual knowledge		
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		
	Exam	60.0%			60.0%		
	Group 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 eNauzanie:
Example issues/ example questions/ tasks being completed	<p>What do society and business want from digitalization</p> <p>Does digitization have business value by itself</p> <p>Is society responding to technological change reactively or proactively</p> <p>What is the main difference between digitization and digitalization</p> <p>What is the main difference between digitalization and digital transformation</p> <p>Which elements could be applied to measure human social development</p> <p>What are the parallels between the first and the second machine age</p> <p>Why is access to technology not accurate to represent the usage of technology</p> <p>How is the international bandwidth calculated</p> <p>What types of digital skill can you describe</p> <p>Explain why inequalities in digital skills follow traditional inequality patterns</p> <p>What is the structure of the ICT sector</p> <p>Describe the revenue trends in the ICT sector</p> <p>Is digital technology already mature</p> <p>What benefits digital technology bring to us</p> <p>Can digital technology improve the and how physical world</p> <p>What are the negative consequences of digital transformation</p> <p>Which skills/abilities will be of value in the second machine age, which wont</p>	
Work placement	Not applicable	

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