



Subject card

Subject name and code	Digital Business, PG_00053098						
Field of study	Data Engineering						
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 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		English		
Semester of study	6		ECTS credits		5.0		
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 Nadzeya Sabatini				
	Teachers		dr Nadzeya Sabatini				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	0.0	0.0	60
	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	60		4.0		61.0	125
Subject objectives	To know about digital business and digital commerce						
	To be aware of opportunities and barriers of digital business						
	To learn how to assess digital technologies that can be used in the supply chain in various domains						
	To assess the characteristics of digital start-ups						
	To know the main elements of a digital business strategy						
	To learn how to define a digital business strategy						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W07] analyzes business processes in an advanced way in the technical, legal, economic, financial and social context	A student is able to observe, analyse and design a digital business strategy.	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
	[K6_K03] demonstrates the ability to think critically and analytically and integrates knowledge from many disciplines in order to make effective decisions	A student is able to make logical connections between the theoretical part of the course and practical lab activities.	[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice
	[K6_U02] prepares and presents convincingly professional presentations of the results of undertaken activities, with their advanced interpretation	A student is able to present convincingly professional presentations of the results of undertaken activities, with their advanced interpretation.	[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject
Subject contents	UNIT 1 - Digital business and digital commerce UNIT 2 - Opportunities and barriers of a digital business UNIT 3 - Digital markets and digital goods UNIT 4 - Digital start-ups UNIT 5 - Digital business strategy - concepts and definition UNIT 6 - Digital business strategy - formulation and implementation UNIT 7 - Communication in (and of) digital business		
Prerequisites and co-requisites	No requirements		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	laboratory exercises	60.0%	60.0%
	written colloquium	60.0%	40.0%
Recommended reading	Basic literature	Chaffey, D., Hemphill, T., & Edmundson-Bird, D. (2019). Digital business and e-commerce management. Pearson Uk. Elgar, E. (2007). The digital business ecosystem. Edwar Elgar Publishing Limited. Palmié, M., Miehé, L., Oghazi, P., Parida, V., & Wincent, J. (2022). The evolution of the digital service ecosystem and digital business model innovation in retail: The emergence of meta-ecosystems and the value of physical interactions. Technological Forecasting and Social Change, 121496. Weill, P., & Woerner, S. (2018). What's your digital business model?: six questions to help you build the next-generation enterprise. Harvard Business Press	
	Supplementary literature	Wirtz, B. W. (2024). Digital business and electronic commerce: Strategy, business models and technology. Springer Nature.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The exam happens online and lasts for 1 h. The students will have ten questions to answer. Among them three questions are the same for all the students, while other seven are randomly assigned from the existing pool of 80+ questions. Below you can find the examples of the questions: - Please define the digital value proposition. Exemplify it with a company of your choice. - Name 3 barriers for technology adoption by businesses and 3 barriers by consumers. Choose one per each category and explain in detail.		
Work placement	Not applicable		

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