



Subject card

Subject name and code	DIGITAL PLATFORMS AND SERVICES, PG_00057044						
Field of study	Engineering Management						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2022/2023		
Education level	first-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Part-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		assessment		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Marcin Sikorski				
	Teachers		prof. dr hab. inż. Marcin Sikorski				
			dr inż. Anna Trzaskowska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	8.0	0.0	0.0	16
	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	16		0.0		0.0	16
Subject objectives	The subject provides students with basic knowledge about digital platforms and services used in business, administration and social life. The main topics of this subject are: management digital service projects, collaboration with the client and future users, and lifecycle management of digital services.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems		The student has basic knowledge regarding design, development and management exploitation of digital services, platforms and infrastructures.		[SW1] Assessment of factual knowledge		
	[K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes		The student is able to analyze examples of digital applications services, platforms and infrastructures.		[SU1] Assessment of task fulfilment		
Subject contents	Digital platforms and services for e-business, services and administration in modern society. Design and development of digital services. User-centric approaches to design, evaluation and testing. Project management for digital services. Cooperation with the client and future users. Lifecycle management of digital services and mobile applications. Operation, development and improvement. Innovation in digital services. Customer value perspective as a design approach. Risk assessment related to "smart" innovations in digital services.						
Prerequisites and co-requisites	IT-related courses, project management						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	final colloquium		60.0%		50.0%		
	laboratory exercises		60.0%		50.0%		

Recommended reading	Basic literature	<p>Sikorski M. (2012). Usługi on-line. Jakość, interakcje, satysfakcja klienta. Wyd. PJWSTK Warszawa.</p> <p>Stickdorn M. (2020) Jak projektować usługi. Niezawodne zasady w praktycznym zastosowaniu. Helion 2020.</p>
	Supplementary literature	--
	eResources addresses	<p>Podstawowe</p> <p>https://repin.pjwstk.edu.pl/xmlui/handle/186319/244 - (2012). Usługi on-line. Jakość, interakcje, satysfakcja klienta. Wyd. PJWSTK Warszawa.</p> <p>Adresy na platformie eNauczanie:</p> <p>Usługi i Platformy Cyfrowe NSTAC 2022/2023 - Moodle ID: 25727</p> <p>https://enauczanie.pg.edu.pl/moodle/course/view.php?id=25727</p>
Example issues/ example questions/ tasks being completed	<p>Three-tier architecture of service platforms.</p> <p>Categories of innovations in digital services.</p>	
Work placement	Not applicable	