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