GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	DIGITAL PLATFORMS AND SERVICES, PG_00057044		
Field of study	Engineering Management		
Date of commencement of studies	October 2019	Academic year of realisation of subject	2021/2022
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	dr inż. Anna Trzaskowska prof. dr hab. inż. Marcin Sikorski	

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

Additional information:
Lectures online

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

This course provides students with the basic knowledge about digital platforms and services applied in business, administration and in social life. The central issues of this course are project management for digital services design, cooperation with the client and prospective users, and lifecycle management of digital services.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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	A student is able to perform analysis of application cases related to digital services, platforms, and infrastructures.	[SU1] Assessment of task fulfilment
[K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems	A student has a basic knowledge of the design, development and maintenance management of digital services, platforms, and infrastructures.	[SW1] Assessment of factual knowledge

Subject contents

- Digital platforms and services for e-business, services and administration in the modern society.
- Design and development of digital services.
- User-centred methodologies for design, evaluation and testing.
- Project management for digital services.Cooperation with the custsomers and prospective users.
- The lifecycle management of digital services and mobile applications. Maintenence, development and improvements.
- Innovations in digital services. The value for customer perspective as a design approach.
- Assessment of risks related to "smart" innovations in digital services.

Prerequisites and co-requisites

Information Technology and Project Management courses

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
laboratory exercises	60.0%	50.0%
written clloquium	60.0%	50.0%

Recommended reading

Basic literature

- Sikorski M. (2012). Usługi on-line. Jakość, interakcje, satysfakcja klienta. Wyd. PJWSTK Warszawa.
- Sikorski M. (2010). Interakcja człowiek-komputer. Wyd. PJWSTK Warszawa.

	Supplementary literature	• Perkin N., Abraham P. Building the Agile Business through Digital Transformation: How to Lead Digital Transformation in Your Workplace. Kogan Page, 2017. • Humble J., Molesky J. and Barry OReilly. Lean Enterprise: How High-Performance Organizations Innovate at Scale. OReilly, 2019
	eResources addresses	Uzupełniające https://repin.pjwstk.edu.pl/xmlui/handle/186319/244 -
Example issues/ example questions/ tasks being completed	--	
Work placement	Not applicable	