



## Subject card

Subject name and code	Digital Platforms And Services , PG_00053754						
Field of study	Engineering Management						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
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			Polish		
Semester of study	5	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. Magdalena Ciesielska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0 Address on the e-learning platform: <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=18433">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=18433</a>						
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	30	5.0	40.0	75		
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_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		
	[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		
Subject contents	<ol style="list-style-type: none"><li>1. Digital platforms and services for e-business, services and administration in the modern society.</li><li>2. Design and development of digital services.</li><li>3. User-centred methodologies for design, evaluation and testing.</li><li>4. Project management for digital services.Cooperation with the customers and prospective users.</li><li>5. The lifecycle management of digital services and mobile applications. Maintenance, development and improvements.</li><li>6. Innovations in digital services. The value for customer perspective as a design approach.</li><li>7. Assessment of risks related to "smart" innovations in digital services.</li></ol>						
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 colloquium	60.0%	50.0%
Recommended reading	Basic literature	<p>Sikorski M. (2012). Usługi on-line. Jakość, interakcje, satysfakcja klienta. Wyd. PJWSTK Warszawa. URL: <a href="https://repin.pjwstk.edu.pl/xmlui/handle/186319/244">https://repin.pjwstk.edu.pl/xmlui/handle/186319/244</a></p> <p>Szpringer W. (2020). Platformy cyfrowe i gospodarka współdzielenia. Wyd. Poltext.</p>	
	Supplementary literature	<ul style="list-style-type: none"> <li>• Humble J., Molesky J. and Barry O'Reilly. Lean Enterprise: How High Performance Organizations Innovate at Scale. O'Reilly, 2019.</li> <li>• Westerman G., Bonnet D., McAfee A. Leading Digital: Turning Technology into Business Transformation. Harvard Press, 2014.</li> <li>• Perkin N., Abraham P. Building the Agile Business through Digital Transformation: How to Lead Digital Transformation in Your Workplace. Kogan Page, 2017.</li> </ul>	
	eResources addresses	<p>Podstawowe</p> <p><a href="https://repin.pjwstk.edu.pl/xmlui/handle/186319/244">https://repin.pjwstk.edu.pl/xmlui/handle/186319/244</a> - Sikorski M. (2012). Usługi on-line. Jakość, interakcje, satysfakcja klienta. Wyd. PJWSTK Warszawa</p> <p>Adresy na platformie eNauczanie:</p> <p>Digital Platforms and Services 2024/2025 - Moodle ID: 39683  <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39683">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39683</a></p>	
Example issues/ example questions/ tasks being completed	--		
Work placement	Not applicable		

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