



Subject card

Subject name and code	, PG_00069787						
Field of study	Informatics, Hydrogen Technologies and Electromobility						
Date of commencement of studies	February 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Software Engineering -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Michał Wróbel				
	Teachers		dr inż. Michał Wróbel				
			dr hab. inż. Agnieszka Landowska				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	15.0	0.0	15
	E-learning hours included: 0.0						
	eNauczanie source address: https://enauczanie.pg.edu.pl/2025/course/view.php?id=1240						
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	15		1.0		9.0	25
Subject objectives	The aim of the course is to familiarize students with key concepts and theoretical models describing the process of technology acceptance and adaptation by users, such as TAM, UTAUT, and UTAUT2. Students will learn how to adapt selected models to analyze specific technologies, construct research tools, and conduct basic empirical research on the perception and acceptance of technology among users.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U09] can carry out a critical analysis of the functioning of existing technical solutions and assess these solutions, as well as apply experience related to the maintenance of advanced technical systems, devices and facilities typical for the field of studies, gained in the professional engineering environment		The student is able to critically evaluate existing technologies from the perspective of their acceptance and usefulness by users.		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_U12] is able, to an increased extent, to analyze the operation of components and systems related to the field of study, as well as to measure their parameters and study their technical characteristics, and to plan and carry out experiments related to the field of study, including computer simulations, interpret the obtained results and draw conclusions		The student is able to plan and conduct a technology acceptance study and draw conclusions based on user data.		[SU1] Assessment of task fulfilment		

Subject contents	Course content – project 1. Introduction to the problems of technology adoption and the importance of research on the acceptance and adaptation of new solutions. 2. Discussion of key theoretical models (including TAM, TAM2, UTAUT, UTAUT2) and their main constructs. 3. Principles of adapting models to research in the context of a selected technology. 4. Survey methodology designing and constructing research tools based on technology adaptation models. 5. Planning and conducting empirical research with users. 6. Analysis and interpretation of the results obtained and their presentation in the form of a report and presentation.		
Prerequisites and co-requisites	None		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Report assessment	50.0%	50.0%
	Project presentation	50.0%	50.0%
Recommended reading	Basic literature	• V. Venkatesh, M. G. Morris, G. B. Davis, F. D. Davis, User acceptance of information technology: Toward a unified view, MIS Quarterly 27 (2003) 425-478. doi: 10.2307/30036540. • Marangunić, N. and Granić, A., 2015. Technology acceptance model: a literature review from 1986 to 2013. <i>Universal access in the information society</i>, 14(1), pp.81-95.	
	Supplementary literature	• Granić, A. and Marangunić, N., 2019. Technology acceptance model in educational context: A systematic literature review. <i>British Journal of Educational Technology</i>, 50(5), pp.2572-2593.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	• Selection of research technology • Development of a research questionnaire based on the selected model (TAM, UTAUT, UTAUT2). • Conducting a survey among users • Analysis of the obtained data using simple statistical methods • Critical evaluation of the results and identification of the limitations of the study. • Presentation of the results in the form of a report and a short oral presentation.		
Practical activities within the subject	Not applicable		

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