GDAŃSK UNIVERSITY OF TECHNOLOGY

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

Moodle ID: 8637 Modele przyswajania technologii 2026/27
https://enauczanie.pg.edu.pl/2025/course/view.php?id=8637

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

<table>
<tr><td>Subject contents</td><td>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.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>None</td></tr>
<tr><td>Assessment methods and criteria</td><td><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Report assessment</td><td>50.0%</td><td>50.0%</td></tr>
<tr><td>Project presentation</td><td>50.0%</td><td>50.0%</td></tr>
</table></td></tr>
<tr><td>Recommended reading</td><td><table>
<tr><td>Basic literature</td><td>• V. Venkatesh, M. G. Morris, G. B. Davis, F. D. Davis, User acceptance of information technology: Toward a unified view, MIS Quarterly 27 (2003) 425478. doi: 10.2307/30036540.
• Marangunić, N. and Granić, A., 2015. Technology acceptance model: a literature review from 1986 to 2013. Universal access in the information society, 14(1), pp.81-95.</td></tr>
<tr><td>Supplementary literature</td><td>• Granić, A. and Marangunić, N., 2019. Technology acceptance model in educational context: A systematic literature review. British Journal of Educational Technology, 50(5), pp.2572-2593.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
</table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>• 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.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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