GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Information Society Technologies, PG_00048307		
Field of study	Electronics and Telecommunications		
Date of commencement of studies	February 2026	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	Optional subject group Humanistic-social subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	English
Semester of study	1	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Computer Architecture -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Sławomir Gajewski	
	Teachers	dr inż. Sławomir Gajewski	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

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	30	2.0	18.0	50

Subject objectives

The aim of the course is to teach the student advanced paradigms use of information technology in socjety.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	Student presents GII scenarios in relation to wireless communication solutions, in particular 4G systems. Student presents GII implementational model according to ITU standards.	[SW1] Assessment of factual knowledge
[K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	Student is capable of analysing relations in global information society.	[SK5] Assessment of ability to solve problems that arise in practice
[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	Student knows and recognizes information society development strategies. Student can compare authentication methods specific to NGN networks with the ones used in common packet networks.	[SU3] Assessment of ability to use knowledge gained from the subject

Subject contents

Course content – lecture
1. Definition and characteristic of information society 2. Example of development strategies for information society 3. Knowledge role in information society 4. Analysis of social relation in information society, clusters 5. Enterprise examples and their evaluations (e-market, e- health, e-services) 6. Innovation and entrepreneurship 7. Technological indifference 8. Problems of legacy systems 9. Convergence of wired and wireless networks 10. Media convergence 11. Streaming media. Content aware networks. 12. Security issues

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Colloquium	50.0%	50.0%
Mid-term colloquium	50.0%	50.0%

Recommended reading	Basic literature	J. Feather, The Information Society: A Study of Continuity and Change, Facet Publishing,2008 R. Rubin, Foundations of Library and Information Science, Neal-Schuman Publishers, 2010
	Supplementary literature	No requirements
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Practical activites within the subject	Not applicable	

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