GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Information Society Technologies, PG_00054283
Field of study	Informatics

Date of commencement of studies	February 2026	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study
			Humanistic-social subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	exam

Conducting unit	Department Of Radiocommunication Systems And Networks -> Faculty Of Electronics Telecommunications And Informatics -> Wydziały Politechniki Gdańskiej
Name and surname of lecturer (lecturers)	Subject supervisor: dr inż. Sławomir Gajewski
	Teachers: dr inż. Sławomir Gajewski

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	15.0	15.0	60
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	60	2.0	13.0	75

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

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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_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_U43] can apply information technologies in market economy and information society conditions as well as algorithmize and computerize cognitive and decision-making processes in other areas of knowledge	The student understands the importance of information technologies in society and is able to use them in various fields of knowledge	[SU2] Assessment of ability to analyse information
[K7_W11] knows and understands, to an increased extent, the general principles of creation and development of forms of individual entrepreneurship and the economic, legal and other conditions of various types of activities related to the awarded qualification, including the principles of protection of industrial property and copyright law	The student understands the principles of entrepreneurship and knows the basic aspects of intellectual property protection.	[SW1] Assessment of factual knowledge

Subject contents	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), enterprise. 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
	Passing the subject	50.0%	100.0%
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	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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