GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00036954		
Field of study	Environmental Engineering, Engineering and Technologies of Energy Carriers, Green Technologies, Green Technologies		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2025/2026
Education level	second-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	English
Semester of study	3	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Metrology and Optoelectronics -> Faculty of Electronics, Telecommunications and Informatics		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Małgorzata Szczerska	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	15.0	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	0.0	0.0	30

Subject objectives

The development of social competence of students related to the assessment of the aspects for modern information technology.

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	The student possesses a foundational knowledge of history, telecommunications, computer science, cybercrime, the ethical implications of information technology, personal data security, and the medical, economic, social, and cultural aspects and effects of electromagnetic radiation.	[SW1] Assessment of factual knowledge
[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	The student possesses the ability to evaluate and interpret the environmental and societal implications of information technology.	[SU2] Assessment of ability to analyse information
[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	The student recognizes the significance of the broader societal and environmental implications of engineering, particularly in relation to electronic and communication devices.	[SK2] Assessment of progress of work

Subject contents

Lectures and seminars related to the impact of information technologies on socjety in the following aspects: socjological (changes in social behaviour), anthopological (how technology affects the cultural aspects of life), medical (impact on the health of living beings), legal (cybercrimes), ethical (internet ethics), psychological (the impact of technology on the psyche of users, employments).

Prerequisites and co-requisites

Lack of initial requirements.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Assessment of presentation	50.0%	50.0%
Colloquium	50.0%	50.0%

Recommended reading	Basic literature	Carr N.: Płytki umysł. Jak internet wpływa na nasz mózg. Wydawnictwo HELION, 2013. Bryx M.: Historia radia w Polsce http://www.historiaradia.neostrada.pl Kalisz J.: Szkodliwe pole elektromagnetyczne. Przyjaciel przy pracy. 5/1993, s. 16-18, 6/1993, s.16-17, 7-8/1993, s. 24-25. Mikołajczyk M., Kameduła M., Kameduła T.: Kryteria biologiczno-lekarskie dopuszczalnych natężeń pól elektromagnetycznych. VIII Krajowe Sympozjum Nauk Radiowych, Wrocław 1996, s. 281-285. Castells M.: Społeczeństwo sieci, PWN, Warszawa 2007. Goleman D.: Inteligencja emocjonalna w praktyce. Wyd. Media Rodzina, Poznań, 1999 Pervin L.A.: Psychologia osobowości. Gdańskie Wydawnictwo Psychologiczne, Gdańsk, 2006. Morawski R. Z.: Etyczne aspekty działalności badawczej w naukach empirycznych. Wydawnictwo Uniwersytetu Warszawskiego, Warszawa, 2011. Kosiński J.: Przestępczość teleinformatyczna, Wydawnictwo Wyższej Szkoły Policji w Szczytnie, Szczytno 2015. Goodman M.: Zbrodnie przyszłości. Helion, 2016.
	Supplementary literature	Does not exist.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Example of lecture topics : The history of telecommunications the history of informatics The history of electronics Soft skills and digitized workplace The network society Cybercrimes Electromagnetic radiation in the following aspects: medical, economical, sociological and cultural Ethical issues implied by information technologies Social aspects of applying IT Rules of effective work in a team Negotiations as the component of work in a IT project	

Work placement	Not applicable

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