GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Social Aspects of Information Technologies, PG_00059429		
Field of study	Chemical Technology, Civil Engineering, Chemistry, Technical Physics, Environmental Engineering, Electrical Engineering, Power Engineering, Electronics and Telecommunications, Biotechnology, Geodesy and Cartography, Biomedical Engineering, Electronics and Telecommunications, Chemistry in Construction Engineering , Biomedical Engineering, Biomedical Engineering, Nanotechnology, Spatial Development, Engineering and Technologies of Energy Carriers, Corrosion , Nanotechnology, Automation, Robotics and Control Systems, Green Technologies, Green Technologies, Spatial Development, Power Engineering, Power Engineering		
Date of commencement of studies	February 2022	Academic year of realisation of subject	2022/2023
Education level	second-cycle studies	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	Polish
Semester of study	2	ECTS credits	2.0
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	dr hab. inż. Marcin Gnyba	
	Teachers	dr hab. inż. Marcin Gnyba dr hab. inż. Małgorzata Szczerska dr Michał Tomczak	

Lesson types and methods of instruction

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

Aspekty społeczne technologii informacyjnych - Moodle ID: 25376
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=25376

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 development of knowledge, skills and attitiudes of students related to the assessment of influence of information technologies on environment and society in medical, legal, sociological and cultural aspects.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	He can collect information on the impact of information technologies on the environment and society and correctly interpret them.	[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	Is aware of the importance of non-technical aspects and effects of engineering activities, including the impact of electronic and communication devices on the environment and society.	[SK2] Assessment of progress of work
[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	Has basic knowledge of history, telecommunications and computer science, cybercrime, ethical aspects of the use of information technology, personal data security, aspects and effects of medical, economic and socio-cultural electromagnetic radiation.	[SW1] Assessment of factual knowledge

Subject contents

The history of communication technologies development and the impact for the evolution of civilization. Health aspects of thermal effect included by electromagnetic radiation. Benefits and risks for the psyche of human being associated with the information technologies. Does media give rise to strengthen people-to people links?

Prerequisites and co-requisites

Lack of initial requirements

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	50.0%	100.0%

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.pl Kalisz J.: Szkodliwe pole elektromagnetyczne. Przyjaciel przy pracy 5/1993, str. 16-18, 6/1993, str. 16-17, 7-8/1993, str. 24-25 Mikołajczyk M.: Kryteria biologiczno-lekarskie dopuszczalnych natężeń pól elektromagnetycznych. VIII Krajowe Sympozjum Nauk Radiowych, Wrocław 1996, str. 281-285. Goodman M.: Zbrodnie przyszłości. Jak cyberprzestępcy, korporacje i państwa mogą używać technologii przeciwko tobie. Wydawnictwo Helion, 2016. Castells M.: Społeczeństwo sieci. Warszawa PWN, 2007.
	Supplementary literature	Literature given on lectures.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Cloud computing - identify the advantages and disadvantages of this technology.Advantages and disadvantages of a networked society.Give definitions and examples of activities classified as cybercrime.Give examples of direct effects of electromagnetic radiation on the human body.Give examples of a common optical communication solution used before the 20th century.The basic virtues of journalism and their role in practicing the profession of journalism in an ethical manner.Examples of netiquette recommendations concerning electronic letters	
Work placement	Not applicable	