



Subject card

Subject name and code	, PG_00036954						
Field of study	Power Engineering, Electronics and Telecommunications, 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			English		
Semester of study	2	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		dr hab. inż. Małgorzata Szczerska				
	Teachers		dr hab. inż. Małgorzata Szczerska dr hab. inż. Marcin Gnyba				
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_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	Be able to demonstrate knowledge of the impact of information technology on the environment and society and interpret it correctly.			[SU2] Assessment of ability to analyse information		
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	Has a basic knowledge of history, telecommunications and information technology, cybercrime, ethical aspects of the use of information technology, security of personal data, medical, economic and socio-cultural aspects and effects of electromagnetic radiation.			[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	Is aware of the importance of non-technical aspects and impacts of engineering activities, including the impact of electronic and communication devices on the environment and society.			[SK2] Assessment of progress of work		
Subject contents	Lectures and seminars related to the impact of information technologies on society in the following aspects: sociological (changes in social behaviour), anthropological (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		
	Colloquium		50.0%		50.0%		
	Assessment of presentation		50.0%		50.0%		

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

Work placement	Not applicable
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