GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Social Sciences for Engineers, PG_00058904		
Field of study	Informatics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	Part-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Intelligent Interactive Systems -> Faculty of Electronics Telecommunications and Informatics -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Adam Kaczmarek	
	Teachers	dr inż. Adam Kaczmarek prof. dr hab. Mariusz Mróz dr rzecznik patentowy Justyna Pawłowska-Bajerska dr hab. Andrzej Lisak prof. dr hab. inż. Krzysztof Goczyła	

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						

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	8.0	62.0	100

Subject objectives	The aim of the subject is to familiarize students with the issues related to ethics, engineering creativity, the history of civilization, intellectual property protection and linguistic correctness

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K03] is ready to meet social obligations, co-organise activities for the social environment, initiate actions for the public interest, think and act in an entrepreneurial way	The student has the knowledge about performing her or his work efficiently and the student is able to implement this knowledge in her or his job. Moreover, the student knows rules cooperation in the society.	[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice

Subject contents	The concept of "ethics." The field of ethics. Moral norms. Moral judgments and moral criterion. The concept of "value." Types of hierarchy of values. The scope of general ethics and ethics in detail. Situational Ethics. The concept of "good moral". Conscience. Moral ideals. Typology of Ethics. Types of morality. An ethical intellectualism of Socrates of Athens. Ethics Plato of Athens. An eudemonic ethics of Aristotle of Stagyra. A Christian ethics; Saint Augustine of Hippo, Saint Thomas of Aquinas. Ethics of Kant Immanuel A British utilitarian ethics Ethics of the responsibility of Dietrich von Hildebrand. The concepts and criteria for engineering works. Creativity as a characteristic feature of the product and as a personality. Criteria of creativity open and hidden. The structure and components of the creative process. External creator environment. Rules for outstanding innovation. Innovation driving forces. A strategy for effective action. Creating a creative atmosphere. Internal environment of a creator. Mental internal environment of a creator. Human Personality and its dynamism. Engineer"s mission in the field of creation and implementation of the principles of creative leadership in the modern company. Identification of the aims of elements and their relations in the systems of the work. Methodies of the investigation and improving the work with the use of inductive and deductive techniques. Ancient sources of European civilization, the rise in Europe, the essence of European subjectivity; Western rationality, enlightenment program of modernity; Two models of Western civilization: Europe and America; Europe and other civilizations; it is possible to create a global civilization?; human being as a consumer; floating postmodernity. Intellectual property: the basic principles of protection, the types and references of exclusive rights, the range and limitations of protection. Paris Convention for the Protection of Industrial Property: the principle of independence of patents, the principle of equal treatment, the Convention priority, the priority of the exhibition, the privilege of communication, protection against unfair competition. The Patent Office and industrial property law in Poland: the law acts, objects and types of protection provided by the office. Industrial designs, trademarks. Geographical indications and topographies of integrated circuits. Rules for Polish spelling and orthography; common errors Rules for correct speech and writing in Polish; typical errors Rules for good language style in speech and writing; levels of the language; frequently made errors and mistakes
Prerequisites and co-requisites	No requirements

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Polish Language	50.0%	14.0%
Protection of intellectual property	50.0%	20.0%
Ethics	50.0%	33.0%
Creativity in engineering and the history of civilization	50.0%	33.0%

Recommended reading	Basic literature	1. Anzenbacher A. „Wprowadzenie do etyki",Wydawnictwo WAM, Kraków 2008. 2. Chaffee J. „Potęga twórczego myślenia", GWP, 1998. 3. Dąbrowski K. „Trud istnienia. WP", 1986. 4. Goczyła K. „Język polski czy obcy". Cykl wykładów, WETI PG, 2006-2009. 5. Migoń M. P. „Wstęp do etyki", Wydawnictwo GDSA, Gdańsk 2007. 6. Nęcka E. „Psychologia twórczości", GWP. Gdańsk 2001.
	Supplementary literature	No requirements
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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