



Subject card

Subject name and code	History of technology, PG_00059840						
Field of study	Electrical Engineering						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2023/2024		
Education level	second-cycle studies		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	1		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Metrology and Information Systems -> Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Dariusz Świsulski				
	Teachers		dr hab. inż. Dariusz Świsulski				
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		5.0		40.0	75
Subject objectives	The aim of the course is to introduce students to history of 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		The student is able to apply knowledge of the history of technology to evaluate contemporary processes.		[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		Student is aware of the importance of historical heritage for the development of technology.		[SK4] Assessment of communication skills, including language correctness		
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications		Student knows the history of the basic fields of technology.		[SW1] Assessment of factual knowledge		
	K7_U81		Student organizes research work. Student uses both printed and electrical literature and is able to select appropriate source information.		[SU5] Assessment of ability to present the results of task		
Subject contents	The history of technical education, the history of industry, including the electrotechnical industry, the history of power engineering, the activities of selected precursors of technology.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Lecture pass		50.0%		50.0%		
	Written work and seminar presentation		50.0%		50.0%		
Recommended reading	Basic literature		Pater Z.: Wybrane zagadnienia z historii techniki, Politechnika Lubelska, Lublin 2011				
	Supplementary literature		Gierlotka S.: Historia elektrotechniki, "Śląsk" Wydawnictwo Naukowe, Katowice 2022				
	eResources addresses		Adresy na platformie eNauczanie: HISTORIA TECHNIKI [2023/24] - Moodle ID: 35960 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=35960				

Example issues/ example questions/ tasks being completed	The history of the Gdańsk University of Technology, the history of the Polish electrotechnical industry, the history of Alfons Hoffmann's Electric Apparatus Factory, the history of power engineering in Pomerania.
Work placement	Not applicable