



Subject card

Subject name and code	Electrical Equipment, PG_00038410						
Field of study	Electrical Engineering						
Date of commencement of studies	October 2020		Academic year of realisation of subject			2022/2023	
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study	
Mode of study	Part-time studies		Mode of delivery			at the university	
Year of study	3		Language of instruction			Polish	
Semester of study	5		ECTS credits			3.0	
Learning profile	general academic profile		Assessment form			exam	
Conducting unit	Department of Electrical Power Engineering -> Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Waldemar Kamrat				
	Teachers		dr inż. Kornel Borowski prof. dr hab. inż. Waldemar Kamrat				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	10.0	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		4.0		41.0	75
Subject objectives	Acievement of choice and background of electrical devices						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	K6_W11		The student acquires the ability to design electrical installations and electrical lighting, control electrical devices, and make technical drawings.			[SW1] Assessment of factual knowledge	
	K6_U09		The student obtains the ability to use the selection of electrical power devices.			[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject	
Subject contents	Equipment of transformer stations.Wires and electric distribution apparatus.Classification and selection of devices.Costing elements.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	colloquium		51.0%			60.0%	
	reports		60.0%			40.0%	
Recommended reading	Basic literature		1. Marzecki J.: Projektowanie stacji. Wyd. PW. 2. Musiał E.: Urządzenia elektryczne. PWSZ. 3. Kamrat W.: Metody oceny efektywności inwestowania w elektroenergetyce. Wyd.PG 4. Industrial datasheets, international standards and other supplementary materials for design process				
	Supplementary literature		No special recommendations				
	eResources addresses		Adresy na platformie eNauczanie:				

Example issues/ example questions/ tasks being completed	Electrical devices choice rules. Tendency of technical and technological solutions development
Work placement	Not applicable