



Subject card

Subject name and code	Energy Market, PG_00042063						
Field of study	Power Engineering, Power Engineering, Power Engineering, Power Engineering, Power 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		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
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		prof. dr hab. inż. Waldemar Kamrat				
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		3.0		17.0	50
Subject objectives	Discussion of the Polish energy market principles and its legal, organizational, technical and economic framework.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_W07		The student is able to apply the principles of economic calculus in the energy sector; knows the legal, organizational and economic principles of the functioning of energy markets, knows the basic principles of management and running a business		[SW2] Assessment of knowledge contained in presentation		
	K6_W06		The student is able to use the principles of the selection and operation of heat and energy equipment and installations, the basic principles of the operation of energy systems, basic issues regarding the reliability of energy equipment and diagnostics, environmental effects of the energy technologies used		[SW2] Assessment of knowledge contained in presentation		
Subject contents	Legal conditions for the functioning of energy markets in Poland and the EU. Segments of energy (heat, electricity, gas). Economic characteristics of energy markets in Poland. ERO and controller functions in the process of marketization of energy. Tariff energy companies. Local energy policy - objectives and tools of energy planning at the municipal level.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Final examination		60.0%		100.0%		

Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. Niedziółka D.: Rynek energii w Polsce. Difin 2010 2. Nowak B.: Wewnętrzny rynek energii w Unii Europejskiej. C.H.Beck 20
	Supplementary literature	<ol style="list-style-type: none"> 1. Pach-Gurgul A.: Jednolity rynek energii elektrycznej w UE. Difin 2012 2. Czarnecka M. (ed.): Konsument na rynku energii elektrycznej. C.H. Beck 2014
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> 1. What is the energy market? 2. Why energy market needs regulation ? 3. What / who regulates the energy market? 4. What are the actors on the energy market? 5. What is the energy tariff? 6. Does the energy market require administrative planning? 7. Are you allowed to sell non-market products at the energy market, and what are they? 	
Work placement	Not applicable	