



## Subject card

Subject name and code	Accountancy in Electrical Engineering, PG_00053187						
Field of study	Electrical Engineering						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2024/2025		
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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		3.0		
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						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	E-learning hours included: 0.0						
	Additional information: Lectures issued in stationary.						
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	20		6.0		49.0	75
Subject objectives	The goal of this course is to gain the knowledge on the profitability assessment of energy investments.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment		The student is able to perform an economic analysis taking into account social and legal aspects		[SU5] Assessment of ability to present the results of task		
	K6_W10		The student is able to apply the knowledge of economic calculus in practical calculations		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Discount account: money value discount, averaging with the discount method. Investment account essentials. Investment risk analysis. Investment financial analysis essentials. Cost account basis.Enterprise management elements for engineers. Programmes of energy management rules of working out. Pre-investment study for business project. Investment profitability index calculation.						
Prerequisites and co-requisites	No requirements						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		100.0%		50.0%		
	Midterm colloquium		50.0%		50.0%		

Recommended reading	Basic literature	<p>1.Behrens, Hawranek: Poradnik przygotowywania przemysłowych studiów feasibility, UNIDO</p> <p>2.Warnecke H.J., Bullinger H.J., Hichert R., Voegele A.: Rachunek kosztów dla inżynierów. WNT, Warszawa 1993.</p> <p>3.Siegel J.G., Shim J.K., Hartman S.W.: Przewodnik po finansach. Wydawnictwo Naukowe PWN, Warszawa 1995. 4.Górzyński J.: Audyting energetyczny. Fundacja Poszanowania Energii, Warszawa 2002.</p> <p>5. Kamrat W.: Metody oceny efektywności inwestowania w elektroenergetyce. Monografia. Politechnika Gdańska 2004.</p> <p>6. Rogowski W.: Rachunek efektywności inwestycji. Wydawnictwo Nieoczywiste. 2019</p>
	Supplementary literature	Energy investment projects available
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	<p>Economic fundamentals of industry</p> <p>Investments process issues.</p> <p>Investment evaluation processes</p>	
Work placement	Not applicable	