GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00059518					
Field of study	Mechanical Engineering					
Date of commencement of studies	February 2024		Academic year of realisation of subject	2024/2025		
Education level	second-cycle studies		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	2		ECTS credits	2.0		
Learning profile	general academic profile		Assessment form	assessment		
Conducting unit	Zakład Siłowni Okrętowych -> Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology					
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Piotr Bzura			
	Teachers					

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	18.0	0.0	0.0	0.0	0.0	18
	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	18	0.0	0.0	18

Subject objectives	To acquaint students with the possibilities of cooperation connecting society with energy policy and technology concerning alternative energy sources

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_K03] understands the importance of the necessity of solving dilemmas connected with practicing a profession and providing safe working conditions in manufacturing processes and in operation of machines and devices	The student has an organized knowledge of the impact of environmental policy on the energy sector	[SK5] Assessment of ability to solve problems that arise in practice
	[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	The student has an organized knowledge of the impact of environmental policy on the energy sector	[SK5] Assessment of ability to solve problems that arise in practice
	[K7_K02] correctly identifies professional problems and is able to define the priorities and hierarchy using knowledge in solving problems	The student has an organized knowledge of the impact of environmental policy on the energy sector	[SK5] Assessment of ability to solve problems that arise in practice
	[K7_W11] possesses organized knowledge useful in understanding ex-technical conditioning connected with performing the profession of an engineer and taking it into consideration in engineering practice; possesses well-established knowledge within the range of intellectual property, management and organization of manufacturing processes, including the management and life-cycle of a product	The student has an organized knowledge of the impact of environmental policy on the energy sector	[SW1] Assessment of factual knowledge

Subject contents	Social aspects of ecological energy. Development of renewable energy sources. Sociological aspects of energy. Society's attitude to the new energy culture. Social protests against energy investments
Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	50.0%	100.0%

Recommended reading	Basic literature	1. Energy and society: sociological aspects. Zbigniew Łucki, Władysław Misiak2. Pro -ecological renewable energy sources: Composed. Witold Lewandowski, Ewa Klugmann-Radziemska
	Supplementary literature	Renewable energy sources and pro -ecological vehicles. Grażyna Jastrzębska
	eResources addresses	Adresy na platformie eNauczanie:

| Example issues/ example questions/ tasks being completed | 1. Impact of ecological policy on energy

2. Liberalization of energy markets

3. Society's attitude to civilization threats |
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Work placement	Not applicable