



Subject card

Subject name and code	Legal and social aspects of distributed energy, PG_00057318						
Field of study	Power Engineering, Power Engineering, Power Engineering						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group Humanistic-social 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	2	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Institute of Energy -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
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	30.0	60
	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	60		8.0		32.0	100
Subject objectives	Familiarizing students with the current legal and social conditions accompanying distributed energy, including both the factors affecting this energy sector and its impact on changes in legal and social relations. Preparation to use the acquired knowledge in practice, including by shaping social capital involved in the development of distributed energy.						

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	1/ The student is able to analyze, using basic methods of interpretation of regulations and appropriate research methods in the field of sociology, psychology and political science, the impact of legal and social factors on the functioning of distributed energy and the impact of investments in distributed energy on: the environment, society, economy and politics 2/ The student is able to formulate opinions on the social, cultural and legal conditions of the functioning of distributed energy and prepare projects of projects to strengthen social awareness and gain social support for the development of distributed energy.	[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	1/ The student has knowledge of the basic, pro-development legal and social factors in the distributed energy sector as well as legal and social risks, as well as the effects of the functioning of this sector 2/ The student has in-depth knowledge of the interactions of social and legal factors relating to the distributed energy sector and knows the mechanisms for optimizing these relationships 3/ The student knows the basic legal regulations in the distributed energy sector and their practical application, including the use to strengthen the social capital of projects for distributed energy	[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
	[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	1/ The student is aware of the complex and changing legal and social conditions affecting the functioning of distributed energy and the awareness of updating and verifying his knowledge and skills 2/ The student recognizes the importance of the knowledge of social sciences in relation to distributed energy and the purposefulness of obtaining opinions of experts in this field of science and cooperation with them in solving problems 3/ The student improves his communication skills to participate in the public debate on distributed energy	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work

Subject contents	<p>Lecture:</p> <ol style="list-style-type: none"> 1.the impact of legal factors on the development and limitation of the development of distributed energy 2. the impact of social factors on the development and limitation of the development of distributed energy 3. public policies in the distributed energy sector 4. decentralization of energy generation - local energy self-sufficiency 5. social capital in the distributed energy sector 6. energy citizenship, energy poverty 7. smart grids 8.Terms and conditions for the exercise of distributed power generation business activities 9. guarantees of origin of energy produced from renewable energy sources in RES installations 10. legal and social responsibility of distributed energy stakeholders <p>Seminar:</p> <ol style="list-style-type: none"> 1.criteria for assessing the impact of legal and social factors on the development and on limiting the development of distributed energy 2. lobbying for distributed energy 3. education for distributed energy 4. social campaigns for distributed energy 5. information policy for distributed energy 6. application in practice of legal standards in the distributed energy sector 											
Prerequisites and co-requisites												
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="453 1610 796 1641">Subject passing criteria</th> <th data-bbox="796 1610 1139 1641">Passing threshold</th> <th data-bbox="1139 1610 1485 1641">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="453 1641 796 1673">written assessment of the lecture</td> <td data-bbox="796 1641 1139 1673">51.0%</td> <td data-bbox="1139 1641 1485 1673">50.0%</td> </tr> <tr> <td data-bbox="453 1673 796 1704">seminar</td> <td data-bbox="796 1673 1139 1704">51.0%</td> <td data-bbox="1139 1673 1485 1704">50.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	written assessment of the lecture	51.0%	50.0%	seminar	51.0%	50.0%
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Recommended reading	Basic literature	<p>1.A. Bolle, <i>W jaki sposób miasta mogą wspierać społeczności energii odnawialnej. Wytyczne dla lokalnych i regionalnych decydentów, Energy Cities</i>, https://energy-cities.eu/wp-content/uploads/2019/10/RNP_Guidebook_PL_Web.pdf</p> <p>2.W. Ehrenhalt, <i>Założenia do strategii rozwoju energetyki w Polsce</i>, https://zpp.net.pl/wp-content/uploads/2019/04/Za%C5%82o%C5%BCenia-do-strategii-rozwoju-energetyki-w-Polsce-wersja-elektroniczna.pdf</p> <p>3.J. Ciechanowicz-McLean, <i>Prawo ochrony klimatu</i>, Warszawa 2016</p> <p>4.M. Hetmański, B. Kupiec, J. Zygmontowski, <i>Zielony renesans. Samorządowy podręcznik transformacji energetycznej</i>, Stowarzyszenie Energii Miast, https://instrat.pl/zielony-renesans-samorzadowy-podrecznik-transformacji-energetycznej</p>
	Supplementary literature	<p>English version - Energy Policy of Poland until 2040</p> <p>https://www.gov.pl/web/klimat/polityka-energetyczna-polski</p>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	