GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Work placement, PG_00055985						
Field of study	Power Engineering, Power Engineering, Power Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject	2026/2027			
Education level	first-cycle studies		Subject group	Optional subject group			
Mode of study	Full-time studies		Mode of delivery	at the university			
Year of study	4		Language of instruction	Polish			
Semester of study	7		ECTS credits	6.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Environmental Engineering Technology -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Eliza Kulbat				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		4.0	146.0	150	
Subject objectives	To acquaint students with methods of management, operation, design, and construction in the energy sector.						

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<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K6_K01] is aware of the need for training and self-improvement in the profession of energy and the possibility of further education; can think and act in a creative and entrepreneurial manner; can define priorities for the implementation of an individual or group task</td><td>The student is able to think and act in a creative and entrepreneurial manner, and to work in a team.</td><td>[SK1] Assessment of group work skills</td></tr>
<tr><td>[K6_U14] can use properly selected methods and devices for hydraulics and hydrology, enabling determination of basic parameters characterizing the flow of medium in channels, pipelines and flow objects and can design installations, networks in the field of sanitary engineering</td><td>The student is able to employ appropriately selected methods and equipment in the fields of hydraulics and hydrology.</td><td>[SU4] Assessment of ability to use methods and tools</td></tr>
<tr><td>[K6_U04] is able to design a simple device structure and prepare the accompanying technical documentation, conduct a basic technical and economic analysis of energy systems, including technologies using renewable and pro-ecological energy sources as well as conventional and nuclear energy, design energy installations for them and their basic elements (including electric lighting)); select, operate and control the most commonly used electrical devices and drive systems.</td><td>The student is able to design the structure of a simple device, prepare the associated technical documentation, and conduct a basic technical and economic analysis of energy systems.</td><td>[SU4] Assessment of ability to use methods and tools</td></tr>
<tr><td>[K6_U05] is able to formulate and carry out energy balances in devices and energy systems, also perform an energy audit of a simple building object, is able to perform a preliminary profitability analysis of a planned energy investment</td><td>The student is able to perform energy balances for equipment and energy systems, as well as an energy audit of a simple building structure.</td><td>[SU2] Assessment of ability to analyse information</td></tr>
<tr><td>[K6_U12] can correctly choose tools (analytical or numerical) to solve engineering problems filtration processes, and data analysis; is able to use photogrammetric and remote sensing tools in engineering tasks in the field of geodetic techniques and metrology</td><td>The student is able to select appropriate tools for solving engineering problems, including photogrammetric and remote sensing tools.</td><td>[SU4] Assessment of ability to use methods and tools</td></tr>
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<tr><td>Subject contents</td><td></td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>internship report</td><td>60.0%</td><td>100.0%</td></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>Books, periodicals, and online resources related to the scope of the practice being conducted.</td></tr>
<tr><td>Supplementary literature</td><td>Books, periodicals, and online resources related to the scope of the practice being conducted.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>Formulating and conducting an energy audit, performing a basic technical and economic analysis of an energy system, preparing a design for an energy installation, and selecting, operating, and monitoring a specific electrical device.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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