GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	ENVIRONMENTAL IMPACT ASSESSMENT, PG_00060002		
Field of study	Environmental Engineering		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2023/2024
Education level	second-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	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	English
Semester of study	2	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Environmental Engineering Technology -> Faculty of Civil and Environmental Engineering		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Aneta Łuczkiewicz	
	Teachers		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	15.0	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	5.0	20.0	55

Subject objectives

The course aims to familiarize students with the procedure of conducting an Environmental Impact Assessment (EIA) for planned projects. Participants will learn about the classification of projects, the methodology for forecasting the impact of planned investments on various environmental components, and the environmental protection tools used nationally and globally.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_W05	The student has knowledge of the impact of construction investments on the environment.	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
K7_W03	The student has in-depth and structured knowledge regarding environmental management and monitoring.	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
[K7_W08] has knowledge necessary to understand the social, economic, legal and other non-technical determinants of engineering activities and their incorporation in engineering practice	The student understands the problems related to the conflict of interest of various social groups	[SW1] Assessment of factual knowledge
[K7_U08] is able to assess risks in the implementation of engineering projects and implement appropriate safety rules	The student is able to explain the scope and necessity of carrying out the EIA procedure for a given investment on the basis of Polish and European legislation.	[SU2] Assessment of ability to analyse information

<table>
<tr><td>Subject contents</td><td>Lecture: Environmental Impact Assessment (EIA) is a crucial planning process designed to predict, evaluate, and mitigate environmental impacts of proposed projects, programs, or policies before they start, ensuring only environmentally suitable activities proceed. While primarily associated with infrastructure development, EIA's scope is wide, covering transportation, public health, urban development, and more. This course will focus on EIA requirements, its broader applications, and the process of creating an EIA, considering environmental, ecological, and social factors. The limitations and challenges of current EIA practices, including climate change, environmental justice, and effective communication will be also address.

Classes: Case Study - Impact of a selected investment on the environment. This introduces students to the most important instruments of environmental protection, both country-specific and worldwide. Students will learn about the functioning of the environmental impact assessment system and the requirements of national and EU legislation.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>General knowledge of legal acts in the field of environmental protection.</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>Tutorials</td><td>60.0%</td><td>40.0%</td></tr>
<tr><td>Lectures</td><td>60.0%</td><td>60.0%</td></tr>
</table>
</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>Science for Environment Policy (2016) Environmental impact investment. Future Brief 16. Produced for the European Commission DG Environment by the Science Communication Unit, UWE, Bristol. Available at: http://ec.europa.eu/science-environment-policy

80 simplification measures in cohesion policy 2021 - 2027</td></tr>
<tr><td>Supplementary literature</td><td>-</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
</table>
</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>-</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
</table>