GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Environmental legislation, PG_00057782		
Field of study	Green Technologies		
Date of commencement of studies	October 2022	Academic year of realisation of subject	2023/2024
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study Humanistic-social subject group
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	English
Semester of study	4	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Inorganic Chemistry -> Faculty of Chemistry		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Agnieszka Pladzyk	
	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	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	40.0	75

Subject objectives	Description of current problems of civilisation related to the need to reconcile economic development with the requirements of environmental protection and to identify the most important threats to the state of the aquatic, terrestrial and atmospheric environments. Becoming familiar with the basic legal, moral and ethical norms applicable to the natural sciences, as well as with the most important current legislation in the field of environmental protection and nature conservation.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W05] has an elementary knowledge of the fundamental concepts and problems of quality management, the general principles of creation and development of forms of individual entrepreneurship, application of the principles of work organization and integrated management, basic principles of quality control and analysis results; knowledge of basic legal aspects relating to the management of chemicals with particular emphasis on compounds polluting the environment and business, knows and understands the basic concepts and principles of the protection of industrial property and copyright and the need for management of intellectual property.	The student identifies problems related to quality management, establishment and development of entrepreneurship, work organisation, quality control of production and analysis. He/she is familiar with the legal aspects of chemical substance management, business operations and industrial property and copyright protection.	[SW1] Assessment of factual knowledge
[K6_K02] is aware of the social role of a technical college graduate, take the reflections on the ethical, scientific and social aspects of the work performed, understands the need to promote, formulating and providing the public with information and opinions concerning the activities of the profession of engineer.	Student Is aware of the social role of the engineering graduate, considers the ethical and social aspects of work, and understands the importance of social communication in the engineering profession.	[SK4] Assessment of communication skills, including language correctness
[K6_U04] capable of formulating and solving design tasks in the field of environmental technology to recognize their non-technical aspects, including environmental, economic and legal. Is capable of applying the principles of occupational health and safety. Is able to make initial assessment of engineering solutions and actions	The student recognises and interprets environmental, economic and legal aspects when formulating and solving environmental design tasks. He/she observes the principles of occupational health and safety and is able to carry out a preliminary economic analysis of engineering solutions.	[SU3] Assessment of ability to use knowledge gained from the subject

Subject contents

1. Introduction to environmental legislation: Discussion of basic environmental concepts and principles.
2. National and international legislation: Overview of key environmental legislation at national and international level.
3. Waste management principles: Detailed discussion of waste management, recycling and disposal regulations.
4. Air and water protection: An overview of legislation on air and water pollution, greenhouse gas emissions and water conservation.
5. Nature conservation and biodiversity protection: Discussion of regulations on the protection of protected areas, endangered species and biodiversity.
6. Liability for violations: Discussion of the legal consequences of breaching environmental legislation, including penalties and sanctions.
7. Case studies: Analysis of real cases of violations of environmental legislation and discussion of solutions applied.
8. The role of the engineer in environmental protection: Discussion of how engineers can contribute to environmental protection and what responsibilities they have under the legislation.

Prerequisites and co-requisites

no prerequisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
test	60.0%	100.0%

Recommended reading

Basic literature	Akty prawne dotyczące ochrony środowiska Konstytucja Rzeczpospolitej Polskiej Ustawy Ustawa o ochronie przyrody z dnia 16 kwietnia 2004 r. (Dz. U. 2004 nr 92 poz. 880)
Supplementary literature	https://environment.ec.europa.eu/law-and-governance/compliance-assurance/environmental-liability/implementation-commission/environmental-law-training_en(europa.eu) https://onlinecourses.smithschool.ox.ac.uk/courses/law-and-sustainability/ of Oxford https://www.eipa.eu/courses/eu-environmental-policy-epso/- Eipa

	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	What are the main environmental laws in Poland? 1. What are the legal consequences of breaching environmental legislation? 2. What are the key aspects of chemical management law? 3. What are the key legal principles concerning air and water protection? 4. What are the legal aspects of waste management and recycling? 5. What are the legal aspects of protecting protected areas and endangered species? 6. What are the legal aspects related to greenhouse gas emissions? 7. What are the legal aspects related to the protection of biodiversity? 8. What are the legal aspects related to doing business in the context of environmental protection? 9. What are the legal aspects related to the protection of industrial property and copyright in the context of environmental protection?	
Work placement	Not applicable	