GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Noise Control, PG_00060053		
Field of study	Environmental Engineering		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Technical Fundamentals of Architectural Design -> Faculty of Architecture		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Andrzej Kulowski	
	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	19.0	54

Subject objectives

Awareness of noise hazard in environmental engineering issues

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_W05	has knowledge in the field of construction; technology and organization of industry works or the impact of construction investments on the environment	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
[K7_U08] is able to assess risks in the implementation of engineering projects and implement appropriate safety rules	is able to assess threats when implementing engineering projects and implement appropriate safety rules	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools

Subject contents

1. The impact of noise and vibration on humans. 2. Subjective and objective assessment of noise and vibration. 3. Sound evaluation parameters, sound spectrum, decibel. 4. European Union directives and harmonization of regulations in EU countries regarding environmental protection against noise. 5. Legal status regarding the permissible level of noise and vibrations in the environment. 6. Noise propagation in open areas. Transport, industrial and household noise. 7. Noise screens 8. Noise from wind farms. 9. Aircraft noise, restricted use area. 10. Acoustic climate parameters and standards. Acoustic zones in cities. 11. Noise maps, using noise maps in planning activities. 12. Acoustics in planning documents - Environmental Survey, Project Information Card, Local Spatial Development Plan. 13. Noise protection program in Tricity. 14. Elements of building acoustics - protection of buildings against external noise

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading

Basic literature	nie dotyczy
Supplementary literature	Nie dotyczy
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	nie dotyczy
Work placement	Not applicable

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