



Subject card

Subject name and code	Noise Control, PG_00060053													
Field of study	Environmental Engineering													
Date of commencement of studies	February 2025	Academic year of realisation of subject			2025/2026									
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 -> Faculties of Gdańsk University of Technology													
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Andrzej Kulowski											
	Teachers													
Lesson types	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_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			[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject								
	K7_W05		has knowledge in the field of construction; technology and organization of industry works or the impact of construction investments on the environment			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge								
Subject contents	Course content – lecture 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	
Example issues/ example questions/ tasks being completed	nie dotyczy	
Practical activites within the subject	Not applicable	

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