



## Subject card

Subject name and code	, PG_00044276						
Field of study	Civil Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
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			4.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Railway Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr inż. Maciej Malinowski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	45.0	45
	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	45		5.0		50.0	100
Subject objectives	- overview and discussion on the subject and progress of students' engineering work  - deepening knowledge of Bridges						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_K02] is responsible for reliability of obtained results of research and its interpretation, formulates conclusions and describes results of own work	Responsibility for the reliability of the results of their work. Formulation of applications and describe the results of their own work, communication skills presentation.					
	[K6_W16] Has deeper and adequate knowledge of civil engineering, within offered specialization	Organizing and deepening knowledge of Bridges					
	[K6_U17] has specialized skills in civil engineering within offered specialization	Having of specialized skills about Bridges					
	[K6_K01] is aware of necessity of professional and personal competences improvement; complements and broadens his knowledge about modern processes and technologies	Widening of competences and knowledge of the bridges.					
Subject contents	- overview and discussion on the subject and progress of students' engineering work  - deepening knowledge of Bridges - presentations of students and promoters on selected issues in bridge engineering						

Prerequisites and co-requisites	<p>Strength of materials.</p> <p>Building mechanics.</p> <p>Basics of bridge engineering</p>		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	presentation of the bridge topic, active participation in the seminar	75.0%	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>- Domestic and foreign publications on bridges</li> <li>- Materials from bridge conferences</li> <li>- Literature recommended by promoters of engineering works</li> </ul>	
	Supplementary literature	- Literature recommended by promoters of engineering works	
	eResources addresses	Adresy na platformie eNauzanie:	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>- presentation and discussion of the progress of engineering work</li> <li>- presentation of selected bridge engineering issues</li> </ul>		
Work placement	Not applicable		

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