GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Management Concepts in Construction, PG_00072575		
Field of study	Civil Engineering		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	second-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	1	Language of instruction	English
Semester of study	1	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Building Engineering -> Faculty of Civil and Environmental Engineering -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Magdalena Pawelska-Mazur	
	Teachers		

Lesson types

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	2.0	18.0	50

Subject objectives

Student recognises the knowledge in construction management field.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	Student can find out the different technological and logistic solutions at construction project. Student recognises the risk analysis and cash flow at construction process. Student presents knowledge on construction tenders and contracts	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	Student presents basic knowledge on management concepts and skill to use planning methods in construction schedules..	[SW2] Assessment of knowledge contained in presentation

Subject contents

Course content – lecture

Research of the management concepts at the construction projects. Tenders and contracts in

construction. Risk allocation analysis for construction. Planning techniques. Time schedule

analysis. Safety and quality management at the building site. Cash flow at the construction project. Quality management.

HR management and motivation theories.

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading	Basic literature	Modern Construction Management by Frank Harris, Construction Planning, Programming... by Brian Cooke, Peter Williams Construction Management in Practice by Richard F. Fellows
	Supplementary literature	
	eResources addresses	Supplementary http://pmbook.ce.cmu.edu - open access book on Project Management
Example issues/ example questions/ tasks being completed	przykład Cash Flow	
Practical activites within the subject	Not applicable	

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