



COURSE DESCRIPTION CARD - SYLLABUS

Course name

PMBok [S2Bud1E-ZBZ>PMBok]

Course

Field of study

Civil Engineering

Year/Semester

2/3

Area of study (specialization)

Sustainable construction and management

Profile of study

general academic

Level of study

second-cycle

Course offered in

English

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

15

Number of credit points

2,00

Coordinators

dr hab. inż. Jerzy Paślawski prof. PP
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Lecturers

Prerequisites

The student has basic knowledge of construction project management. The student is able to acquire information from literature and other sources and integrate the obtained information. The student understands the consequences of decision-making, the need for lifelong learning, and the importance of teamwork.

Course objective

To provide knowledge in project management in accordance with the PMBoK methodology and to prepare students for its practical application in construction projects.

Course-related learning outcomes

Knowledge:

- Has knowledge of the project life cycle and product life cycle.
- Has knowledge of the principles of managing and conducting the investment process.
- Knows project management standards in accordance with the PMBoK methodology.
- Knows legal regulations related to intellectual and industrial property protection.

Skills:

- Is able to manage construction processes.
- Is able to develop a project management approach based on the PMBoK methodology.

Social competences:

- Is responsible for the reliability and interpretation of work results.
- Is able to work independently and cooperate in a team.
- Is able to independently expand knowledge in the field of modern technologies and techniques in construction.
- Is aware of the need for continuous professional development and is able to critically assess knowledge.
- Is ready to think and act in an entrepreneurial manner.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

- final test (written exam)
- project (case study) evaluation

Passing threshold - 50%. Grading scale and assignment of grades to percentage ranges of results in accordance with the Study Regulations.

Programme content

Project management according to the PMBoK methodology: project life cycle, process groups, knowledge areas (scope, time, cost, quality, risk, resources, communication, stakeholders, procurement), the role of the project manager, and application of project management methods in construction.

Course topics

Issues related to project management in accordance with the PMBoK methodology. Analysis of the project life cycle and its stages in construction projects. Overview of process groups and knowledge areas such as scope, time, cost, quality, risk, and resource management. The role of the project manager and the importance of communication and teamwork. Application of project management standards in construction practice using case studies. Preparation of a project in the form of a case study based on PMBoK principles.

Teaching methods

- problem-based lecture with multimedia presentation
- case study analysis
- project-based method
- discussion

Bibliography

Basic:

1. A Guide to the Project Management Body of Knowledge (PMBOK Guide)

Additional:

1. Pritchard C.L., Risk Management in Projects

Breakdown of average student's workload

	Hours	ECTS
Total workload	60	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	30	1,00