



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Project Management

Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

First-cycle studies

Form of study

part-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Number of hours

Lecture

10

Tutorials

10

Laboratory classes

Projects/seminars

10

Other (e.g. online)

Number of credit points

4

Lecturers

Responsible for the course/lecturer:

Ph.D., D.Sc., Eng. Magdalena K. Wyrwicka,
University Professor

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Faculty of Engineering Management

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Responsible for the course/lecturer:



Prerequisites

Basic of management, microeconomics and mathematics.

Course objective

Preparation for the role of project manager

Course-related learning outcomes

Knowledge

Student has expanded and in-depth knowledge in the field of sciences necessary to understand and describe the issues of organization management, knows the general principles of creating and developing forms of individual entrepreneurship, using knowledge of technology, economics and management, and knows as methods as tools for data collection, processing, selection and information distribution[P7S_WK_03],[P7S_WG_07].

Skills

Student is able to forecast social processes and phenomena (cultural, political, legal, economic) using standard methods and tools in the field of management as well as make a preliminary economic analysis of engineering activities undertaken[P7S_UW_06][P7S_UW_02].

Student is able to analyze proposed solutions to specific management problems and proposes, in this respect, appropriate solutions and can be responsible for own work and jointly implemented tasks, and is ready to comply with the principles of teamwork[P7S_UW_04], [P7S_UO_01].

Social competences

The student is able to make positive contribution to the preparation of social projects, including legal, economic and organizational aspects, and is aware of the importance and understands the non-technical aspects and effects of engineering activities, including its impact on the environment, and the associated responsibility for decisions[P7S_KO_01][P7S_KR_01].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative assessment:

based on attendance and activity during classes, results of cognitive tasks solved, and participation in discussions

Summative rating:

- result of written test (according to lecture)
- independent performance of the indicated cognitive task (project), its presentation in the group forum
- summary of partial results from exercises.

Programme content



1. The place and role of projects in management,
2. Types of projects,
3. A typical project run (initiating, setting requirements, defining goals and identifying conditions, feasibility analysis, risk analysis, task structuring, resource planning and workflow planning, budgeting, process control, project closure).
4. Organization of project team
5. IT support
6. Practical problems of the project manager

Teaching methods

Problem-based lecture, study of literature, project - solving cognitive tasks with IT support, auditorium exercises.

Bibliography

Basic

1. Prussak W. Wyrwicka M., Zarządzanie projektami, Zachodnie Centrum Organizacji, Poznań 1997
2. Wyrwicka M., Niektóre uwarunkowania efektywnej realizacji projektów. [w:] Zeszyty Naukowe Politechniki Poznańskiej, seria Organizacja i Zarządzanie, 2000 Nr 29, s. 113-118;
3. Wyrwicka M., Chuda A. The diagnosis of organizational culture as a change's factor in the context application of design thinking, LOGFORUM, 2019 vol. 15 nr 2
4. Wysocki R., Efektywne zarządzanie projektami. Tradycyjne, zwinne, ekstremalne, Wyd. Helion, Gliwice 2013

Additional

1. Głodzieński E., Efektywność w zarządzaniu projektami. Wymiary, koncepcje, zależności, PWE Warszawa 2017
2. Koszłajda A., Zarządzanie projektami IT. Przewodnik po metodykach, Wyd. Helion 2010
3. Kozarkiewicz A., Zarządzanie portfelami projektów, PWN, Warszawa 2012



Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	30	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	70	3,0

¹ delete or add other activities as appropriate