

COURSE SYLLABUS	
Course code	1080-BU200-ISA-0001
Course name	HC - Project Managament
Course version	2026L
Level of education	first cycle programme
Form and mode of study	full-time study
Study profile	general academic profile
Field of study	Civil Engineering
Specialisation	-
Organizational unit	The Faculty of Civil Engineering
Implementing unit	The Faculty of Civil Engineering
Course unit	n/a
Course groups	-
Course status	Selected
Language of the course	English
Study stage code	BU000-S2-ISA-1080
Number of ECTS credits	2

Part I

01. Learning outcomes and the method of conducting classes

Learning outcomes	see table "Learning outcomes"
Forms of classes and the number of hours in the semester	
tutorials	15,00 h
lectures	10,00 h

02. ECTS balance

Number of ECTS credits	2	
Course workload	Hours	ECTS
Total number of hours and ECTS credits for the course:		
Hours and ECTS credits for courses involving direct participation of academic teachers	25	1,00
Hours and ECTS credits involving student's independent work	25	1,00
Total	50	2,00
Number of hours involving direct participation of academic teachers:		
Hours connected with class participation	25	
Other synchronous hours	0	
Total	25	
Number of hours involving student's independent work:		
Hours for student's independent work	25	

03. Course content

Course content	The subject covers key issues related to project management. Students will learn methods of planning, organizing and controlling projects, including the basics of managing scope, schedule, costs and risk. Management standards and methodologies such as PMI, PRINCE2 and Agile will be discussed. The specificity of construction projects will also be mentioned, including resource management, contracts and cooperation with stakeholders. The subject also includes aspects of digitalization and the use of IT tools in project management.
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Table: Learning outcomes

Knowledge

Part I	
Outcomes code	W1
Description	The graduate knows and understands the principles of quality management in construction projects and is able to apply methods of analyzing the efficiency, costs and schedules of construction projects under conditions of risk and uncertainty, in accordance with the best project management practices.
Related field-of-study learning outcomes	K1_W20, K1_W32
Outcomes code	W2
Description	The graduate knows and understands the stages of construction project implementation and is able to apply general project management methodologies, such as PMI, PRINCE2 or Agile, in the context of organizing the construction process and project documentation.
Related field-of-study learning outcomes	K1_W27
Outcomes code	W3
Description	The graduate knows and understands the principles of creating and developing entrepreneurship in the construction industry and the role of project management in effectively running a business.
Related field-of-study learning outcomes	K1_W30
Skills	
Outcomes code	U1
Description	The graduate is able to make an economic evaluation of design decisions using project management tools and techniques.
Related field-of-study learning outcomes	K1_U10
Outcomes code	U2
Description	Is able to work in project teams and apply project management methodologies for the effective planning and implementation of projects.
Related field-of-study learning outcomes	K1_U04, K1_U24
Social competence	
Outcomes code	K1
Description	The graduate is ready to think and act in an entrepreneurial manner, is able to work in project teams and use project management methodologies to effectively plan and implement projects.
Related field-of-study learning outcomes	K1_K06
Part II	
04. Year and semester of studies	
Year	2026L
Semester	2
05. Course leader and course teachers	
Course leader	Jerzy Rosłon
lectures	Jerzy Rosłon
tutorials	Jerzy Rosłon
06. Course objective	
Course objective	The aim of the course is to familiarize students with the principles of planning, implementation and control of projects in terms of engineering and management. The course shapes the ability to use methods of work organization, scheduling, monitoring progress and managing project costs and risks. Students learn the basic methodologies and learn how to make informed design decisions and work in a team environment in accordance with the best practices of project management.

Part II	
07. Teaching methods and techniques	
lectures	Learning methods: blended learning (traditional methods with activities conducted remotely) Learning techniques: lecture with elements of questions to students, debate, group work, individual work, videoconference, experiments, problem solving
tutorials	Learning methods: blended learning (traditional methods with activities conducted remotely) Learning techniques: lecture with elements of questions to students, debate, group work, individual work, videoconference, experiments, problem solving
08. Methods of verifying learning outcomes	
Knowledge	
Outcomes code	W1
Description	The graduate knows and understands the principles of quality management in construction projects and is able to apply methods of analyzing the efficiency, costs and schedules of construction projects under conditions of risk and uncertainty, in accordance with the best project management practices.
Verification methods	lectures: written test lectures: oral test lectures: assessment of active class participation lectures: homework assignment lectures: presentation tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
Outcomes code	W2
Description	The graduate knows and understands the stages of construction project implementation and is able to apply general project management methodologies, such as PMI, PRINCE2 or Agile, in the context of organizing the construction process and project documentation.
Verification methods	lectures: written test lectures: oral test lectures: assessment of active class participation lectures: homework assignment lectures: presentation tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
Outcomes code	W3
Description	The graduate knows and understands the principles of creating and developing entrepreneurship in the construction industry and the role of project management in effectively running a business.
Verification methods	lectures: written test lectures: oral test lectures: assessment of active class participation lectures: homework assignment lectures: presentation tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
Skills	
Outcomes code	U1

Part II	
Description	The graduate is able to make an economic evaluation of design decisions using project management tools and techniques.
Verification methods	lectures: written test lectures: oral test lectures: assessment of active class participation lectures: homework assignment lectures: presentation tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
Outcomes code	U2
Description	Is able to work in project teams and apply project management methodologies for the effective planning and implementation of projects.
Verification methods	tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
Social competence	
Outcomes code	K1
Description	The graduate is ready to think and act in an entrepreneurial manner, is able to work in project teams and use project management methodologies to effectively plan and implement projects.
Verification methods	lectures: written test lectures: oral test lectures: assessment of active class participation lectures: homework assignment lectures: presentation tutorials: written test tutorials: oral test tutorials: assessment of active class participation tutorials: homework assignment tutorials: presentation
09. Required and recommended reading list	
Required reading	Materials provided by the instructor
Recommended reading	Materials provided by the instructor
10. Other information	
Other information	In accordance with the Course Regulations.