COURSE SPECIFICATION

Course code	full-time programme:	**M#2-S2-ME-306**
	part-time programme:	
Course title in Polish	**Zarządzanie projektami**	
Course title in English	**Project Management**	
Valid from (academic year)	**2024/2025**	

GENERAL INFORMATION

Programme of study	**MECHANICAL ENGINEERING**
Level of qualification	**second-cycle**
Type of education	**academic**
Mode of study	**full-time programme**
Specialism	**all**
Department responsible	**Department of Maintenance, Laser and Nanoscale Technologies**
Course leader	**dr hab. inż. Norbert Radek, prof. PŚk**
Approved by	**dr hab. Jakub Takosoglu, prof. PŚk, Dean of the Faculty of Mechatronics and Mechanical Engineering**

COURSE OVERVIEW

Course type		**basic**
Course status		**compulsory**
Language of instruction		**English**
Semester of delivery	full-time programme	**Semester III**
	part-time programme	**Semester III**
Pre-requisites		
Examination required (YES/NO)		**NO**
ECTS value		**1**

Mode of instruction		**lecture**	**class**	**laboratory**	**project**	**seminar**
No. of hours per semester	full-time programme	**15**				
	part-time programme					

LEARNING OUTCOMES

Category of outcome	Outcome code	Course learning outcomes	Corresponding programme outcome code
Knowledge	W01	Has the established knowledge necessary to understand the economic, legal, social and ethical aspects of project management.	MiBM2_W14
	W02	Has a structured knowledge of project management, including on classical and agile methodologies and selected agile project management techniques.	MiBM2_W15
Skills	U01	Is able to recognise the complex interrelationship of engineering decisions with non-technical areas, including environmental, economic and legal aspects. Manages projects taking into account risk - risk estimation and prevention and risk analysis.	MiBM2_U14
	U02	Has the ability to plan continuous self-education to improve professional competence in project management. Is able to build a project team and act as a project manager.	MiBM2_U16
Competence	K01	Is aware of the need to independently supplement and expand knowledge in the field of mechanics and machine construction Is ready to critically evaluate the knowledge they possess, the importance of knowledge in solving cognitive and practical problems and the need to acquire new information both from literature and from experts in the field of mechanics and machine construction.	MiBM2_K01
	K02	Is ready to responsibly perform professional roles related to the field of study of mechanics and machine construction, adhere to ethical principles and work to ensure compliance with these principles, taking into account changing social needs, cares about the achievements, ethos and traditions of the profession. Adheres to the principles of professional ethics and takes action to ensure their compliance.	MiBM2_K05

COURSE CONTENT

Mode of instruction	Topics covered
lecture	Basic issues of project management. Project management. Classical methodologies – areas of project management. Agile methodologies – areas of project management. Agile project management – selected techniques. Project risk – estimating and preventing threats, risk analysis. Building a project team and the role of the project manager.

ASSESSMENT METHODS

Outcome code	Methods of assessment					
	Oral examination	Written examination	Test	Project	Report	Other
W01			X			
W02			X			
U01			X	X		
U02			X	X		
K01						X
K02						X

ASSESSMENT TYPE AND CRITERIA

Mode of instruction	Assessment type	Assessment criteria
lecture	non-examination assessment	Obtaining at least 50% points in the oral answer.

OVERALL STUDENT WORKLOAD

ECTS weighting												
No.	Activity type	Student workload										Unit
		full-time programme					part-time programme					
1.	Scheduled contact hours	L	C	Lb	P	S	L	C	Lb	P	S	h
		15										
2.	Other contact hours (office hours, examination)	2										h
3.	**Total number of contact hours**	**17**										h
4.	**Number of ECTS credits for contact hours**	**0,7**										ECTS
5.	**Number of independent study hours**	**8**										h
6.	**Number of ECTS credits for independent study hours**	**0,3**										ECTS
7.	**Number of practical hours**	**0**										h
8.	**Number of ECTS credits for practical hours**	**0,0**										ECTS
9.	**Total study time**	**25**										h
10.	**ECTS credits for the course** *1 ECTS credit = 25-30 hours of study time*	**1**										ECTS

READING LIST

1. Mariusz Flasiński, „Zarządzanie projektami informatycznymi”, PWN, Warszawa, 2022.
2. Marcin Dąbrowski „Wieczne opóźnienie. Zarządzanie projektami IT”, Onepress/Helion, Gliwice, 2021.
3. Piotr Wróblewski, „Zarządzanie projektami z wykorzystaniem darmowego oprogramowania”, Helion, Gliwice, 2012.
4. Michał Trocki, „Organizacja projektowa. Podstawy - modele – rozwiązania”, PWE, Warszawa, 2014.
5. Tomasz Starecki, „Zarządzanie projektami dla inżynierów”, BTC, Legionowo, 2011.

6. Marcin Żmigrodzki, „Zarządzanie projektami dla początkujących”, Onepress, Gliwice, 2020.
7. Ryszard Knosala, Iwona Łapuńka, „Operacyjne zarządzanie projektami”, PWE, Warszawa, 2014.
8. Harold Kerzner, „Zarządzanie projektami. Studium przypadków”, Onepress, Gliwice, 2005.
9. Michał Trocki, „Nowoczesne zarządzanie projektami”, PWE, Warszawa, 2013.
10. Magazines: Strefa PMI, Koła Zarządzania Projektami SOLVER, Management and Production Engineering Review, Przedsiębiorczość i Zarządzanie, Problemy Zarządzania.