



Subject card

Subject name and code	Software Project Management, PG_00047721						
Field of study	Informatics						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Software Engineering -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Michał Wróbel					
	Teachers	dr inż. Michał Wróbel mgr inż. Małgorzata Pykała					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	15.0	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		10.0		60.0	100
Subject objectives	The aim of the course is to familiarize students with the principles, strategies and context of IT project management. During the course areas of IT project management and related principles of planning, estimating, tracking and progress of the project will be presented.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_W05] Knows and understands, to an increased extent, methods of process and function support, specific to the field of study.	Student knows popular methods of IT project management.	[SW1] Assessment of factual knowledge
	[K7_U11] can manage team work	student can play various roles in an IT project	[SU1] Assessment of task fulfilment
	[K7_W43] Knows and understands, to an increased extent, the normal, technical and social aspects of the operation of complex information systems in the information society and in the global information infrastructure.	Student understands the problem of requirements specification in the software development process, as well as the impact of the created systems on the environment.	[SW1] Assessment of factual knowledge
	[K7_U43] can apply information technologies in market economy and information society conditions as well as algorithmize and computerize cognitive and decision-making processes in other areas of knowledge	The student is able to choose appropriate methods of software development management depending on the business context.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
[K7_U08] while identifying and formulating engineering tasks specifications and solving these tasks, can: <ul style="list-style-type: none"> - apply analytical, simulation and experimental methods, - notice their systemic and non-technical aspects, - make a preliminary economic assessment of suggested solutions and engineering work 	The student is able to prepare a preliminary project plan together with a profitability analysis.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task	
Subject contents	<ol style="list-style-type: none"> 1. The concept and context of IT project 2. Project management methodology 3. Management methodology software development 4. The risk in IT projects 5. Planning and supervision of the project 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	50.0%	50.0%
	Project	50.0%	50.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> • A. Koszłajda, Zarządzanie Projektami IT Przewodnik po Metodykach, Helion, 2010 • Caddle J., Yeates D.: Zarządzanie procesem tworzenia systemów informacyjnych. WNT, 2001. 	
	Supplementary literature	<ul style="list-style-type: none"> • Górski J. (red.) Inżynieria oprogramowania w projekcie informatycznym, MIKOM, 2000 • Szyjewski Z.: Metodyka zarządzania projektami informatycznymi. Wyd. Placet, 2004. • A Guide to the Project Management Body of Knowledge (PMBok), Project Management Institute, 2004 (wydanie polskie „Kompedium wiedzy o zarządzaniu projektami”, MT&DC) • IEEE Std. 1490-1988 • Zalecenia biblioteki ITIL (Information Technology Infrastructure Library) 	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • Development of initial assumptions • Develop preliminary project plan • Develop a detailed project plan 		
Work placement	Not applicable		