

Subject card

Subject name and code	IT Tools in Projects, PG_00200052						
Field of study	Economics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Master's studies	Subject group			Obligatory subject group in the field of study Optional subject group 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	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			3.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Department of Maritime Transport and Seaborne Trade -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Olga Dębicka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	6.0	12.0	0.0	12.0	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		0.0		45.0	75
Subject objectives	The purpose of the course is to familiarize students with modern IT tools used in project management. Students will learn how to effectively use software to plan, monitor and control projects. As a result, students will be better prepared to implement projects in complex business and technological environments.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONMU2_K02] is aware of the level of their knowledge in the area of solving complex problems in economic,; understands the need to extend and update this knowledge throughout his/her life	Students are able to use IT tools to acquire knowledge on their own, such as through online courses, e-learning, webinars	[SK1] oral statement/conversation/discussion
	[EKONMU2_U06] can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness	Group cooperation teaches to prioritize specific tasks in the prepared project. The student is active and entrepreneurial.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[EKONMU2_W08] has an in-depth knowledge of processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them	The student uses his knowledge of information technology to solve problems in business projects.	[SW2] presentation/project/paper/report
	[EKONMU2_U13] can manage teamwork as well as interact and work in a team (including in an international environment) assuming a leading role in it	Can design group work and correctly assign roles to team members.	[SU1] oral statement/conversation/discussion
[EKONMU2_K03] inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements	The student is able to use IT tools for effective communication and collaboration in a project team, taking into account the different requirements and expectations of stakeholders.	[SK1] oral statement/conversation/discussion	
Subject contents	<ul style="list-style-type: none"> • Introduction to IT tools supporting project management; the essence and importance of IT solutions in the process of project planning and implementation. • IT instruments in the process of project management. Criteria for selecting software to support project management. Presentation of selected IT tools to assist in project management. • Preparation of a schedule using various IT platforms; reporting of project progress using various tools. • Projects requiring time, resource and task management - tools available in the Office 365 package. • GanttProject- using a free tool for scheduling and resource planning. • MS Project as a basic IT tool in project management. Scheduling harmonogram, tasks, assigning resources to tasks, controlling project execution, • Open Project web platform in project management. Cost recording and budget control on a selected example. • Performing project tasks related to: building schedules, creating task list and structure, resource planning. <p>To further develop the concepts discussed during the lectures, students may take advantage of consultation hours.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	50 pkt	51.0%	100.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> 1. A. Karbownik, Zarządzanie projektami w przedsiębiorstwie, Wydawnictwo Politechniki Śląskiej, Gliwice 2017. 2. M. Wirkus, H. Roszkowski, E. Dostatni, W. Gierulski, Zarządzanie projektem, PWE, Warszawa 2014 (rozdział 9). 	
	Supplementary literature	<ol style="list-style-type: none"> 1. M. Trocki, Wsparcie informatyczne zarządzania projektami, Warszawa 2013 (rozdział 25) 2. P. Wróblewski, Zarządzanie projektami z wykorzystaniem darmowego oprogramowania. Helion, Gliwice 2009 3. Materiały prezentowane na zajęciach 	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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