

Subject card

Subject name and code	IT Tools in Projects, PG_00172445						
Field of study	International Economic Relations						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		2.0		
Learning profile	academic		Assessment form				
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Maciej Krzemiński				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		5.0		30.0	50
Subject objectives	The aim of the course is to familiarize the student with exemplary IT tools supporting the process preparation and management of a project or project portfolio in various institutions.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[MSGL3_K03] participates in the preparation of economic and social projects; can reconcile legal, economic, ecological, political and social requirements		Collaboration within the group teaches prioritization of specific tasks in the project being prepared. The student is active and entrepreneurial.		[SK2] presentation/project/paper/report		
	[MSGL3_U08] uses basic methods and computer programmes as well as marketing techniques and tools to acquire and analyse data necessary in his/her professional work to diagnose economic processes and make adequate economic decisions		The student utilizes their knowledge of IT techniques to solve problems in business projects. Based on the acquired IT techniques, they assess the project's progress. They adapt IT methods to different types of projects and the organizations managing them.		[SU2] presentation/project/paper/report		
	[MSGL3_W10] knows selected methods and tools, including IT tools and data acquisition techniques, which make it possible to describe and analyse economic entities operating on the international market; knows the processes and phenomena occurring in them and between them, and processes supporting decision-making		The student identifies useful IT tools for implementing projects within the enterprise. They possess knowledge of project processes, considering the specifics of different types. During consultations with the lecturer, the student discusses the use of IT tools in the implementation of the project.		[SW2] presentation/project/paper/report		

Subject contents	1. Introduction to IT tools supporting project management; essence and significance of IT solutions in the process of project planning and implementation.2. IT tools in project management processes. Criteria for selecting software supporting project management. Presentation of selected IT tools helpful in project management.3. Preparation of schedules using various IT platforms; reporting progress in project implementation using different tools.4. Projects requiring time, resource, and task management - Excel as a fundamental tool. Advantages and disadvantages.5. GanttProject - using a free tool for creating schedules and resource planning.6. MS Project as a fundamental IT tool in project management. Planning schedules, tasks, assigning resources to tasks, project progress control.7. OpenProject - internet platform in project management. Cost tracking and budget control using a selected example.8. Execution of project tasks related to: building schedules, creating task lists and structures, resource planning. Any doubts regarding the issues discussed in the subject, in particular those concerning the interpretation of definitions, may be clarified during consultations.		
Prerequisites and co-requisites	he student should understand what a project is and how to plan it.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	51.0%	100.0%
Recommended reading	Basic literature	G. Cicala, The Project Managers Guide to Microsoft Project 2019, Covers Standard, Professional, Server, Project Web App, and Office 365 Versions, Apress, Wilmington 2020 A. Karbownik, Zarządzanie projektami w przedsiębiorstwie, Wydawnictwo Politechniki Śląskiej, Gliwice 2017. Z. Handzel, M. Terlikowska, Informatyczne wspomaganie zarządzania projektami na przykładzie aplikacji P2ware Project Manager [w:] Zeszyty Naukowe / Wyższa Szkoła Ekonomii i Informatyki w Krakowie, Numer 12/2016, s. 107-123 C. Chatfield, T. Johnson, Microsoft Project 2016 krok po kroku, Wyd. APN Promise, Warszawa 2016 Marek Wirkus, Henryk Roszkowski, Ewa Dostatni, Wacław Gierulski, Zarządzanie projektem, PWE, Warszawa 2014 (rozdział 9) M. Trocki, Wsparcie informatyczne zarządzania projektami, Warszawa 2013 (rozdział 25) J.Pondel, Narzędzia informatyczne inteligencji biznesowej wspomagające realizację projektów w przedsiębiorstwach, 2015, DOI: 10.15611/NOZ.2015.4.06 J. Walas-Trębacz, T. Małkus, Zarządzanie organizacjami w społeczeństwie informacyjnym, Toruń 2018.	
	Supplementary literature	Wróblewski P., Zarządzanie projektami z wykorzystaniem darmowego oprogramowania. Helion, Gliwice 2009	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

Document generated electronically. Does not require a seal or signature.