University of Gdańsk

Subject card

Subject name and code	Application of IT Tools in Project Management, PG_00200087						
Field of study	International Economic Relations						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2026/2027			
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	1		Language of instruction	Polish			
Semester of study	2		ECTS credits	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit							
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	0.0	10.0	0.0	8.0	0.0	18
	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	18		0.0		32.0	50
Subject objectives	The subject is designed to prepare students for effective project management using modern IT tools, which is crucial in the context of contemporary market requirements and the needs of a rapidly developing knowledge-based economy.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[MSGMU2_W11] has a theoretically grounded knowledge of the key issues of managing a business entity on the national and international market and of selected detailed issues of the international supply chain	Students will have an in-depth knowledge of various IT tools used in project management (Project Management Software).	[SW2] presentation/project/paper/ report
[MSGMU2_K04] is ready to think and act in an entrepreneurial manner; adapts to new situations and conditions; undertakes challenges of creative thinking; acquires resilience to failures; assesses risks and threats and finds ways of counteracting their effects	The student is ready to think and act in an entrepreneurial manner, adapts to new situations and conditions, takes on the challenges of creative thinking, acquires resilience to failure, evaluates risks and threats and finds ways to counteract their effects. Cooperation in a group teaches him to prioritize specific tasks in the project under preparation. The student is ready to be active and entrepreneurial.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report [SK5] implementation of a problem task
[MSGMU2_U05] can apply the rules and standards of business activity in order to solve complex and atypical problems arising from international economic cooperation	The student is able to use theoretical knowledge in practice, proposing the application of learned methods and tools when planning and implementing projects.	[SU1] oral statement/conversation/ discussion
[MSGMU2_K03] is ready to actively participate in groups, organisations and institutions conducting professional projects concerning the functioning of economic entities in the conditions of globalisation and the development of integration processes	The student is ready to actively participate in groups and design group work, correctly assigns roles to team members, is able to use tools for teamwork and project implementation.	[SK1] oral statement/conversation/ discussion [SK2] presentation/project/paper/ report

Subject contents

1. Introduction to IT tools supporting project management; the essence and importance of IT solutions in the process of project planning and implementation.
2. Presentation of selected IT tools to assist in project management.
3. Criteria for selecting software to support project management.
4. Preparation of a schedule using various IT platforms; reporting of project progress using various tools.
5. Projects requiring time, resource and task management - Excel as a basic tool. Advantages and disadvantages.
6. MS Planner in project management.
7. MS Project as a basic IT tool in project management. Planning harmongram, tasks, assigning resources to tasks, controlling project execution.
8. Performing project tasks related to: building schedules, creating a task list and structure, resource planning.

The student consults the problems of project planning and IT tools in projects during consultations with the instructor.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
15 pkt	51.0%	40.0%
35 pkt	51.0%	60.0%

Recommended reading

Basic literature

1. Handzel Z., Terlikowska M., Informatyczne wspomaganie zarządzania projektami na przykładzie aplikacji P2ware Project Manager, Zeszyty Naukowe Wyższej Szkoły Ekonomii i Informatyki w Krakowie, 2016, nr 12, s. 107-123. 2
2. Chatfield C., Johnson T., Microsoft Project 2016 krok po kroku, Wydawnictwo APN Promise, Warszawa 2016.
1. Wirkus M., Roszkowski H., Dostatni E., Gierulski W., Zarządzanie projektem, PWE, Warszawa 2014 (rozdział 9).
2. Trocki M., Wsparcie informatyczne zarządzania projektami, Warszawa 2013 (rozdział 25).
3. Wróblewski P., Zarządzanie projektami z wykorzystaniem darmowego oprogramowania, OnePress-Helion, Gliwice 2009

	Supplementary literature	1. Pondel J., Narzędzia informatyczne inteligencji biznesowej wspomagające realizację projektów w przedsiębiorstwach, "Nauki o Zarządzaniu", 2005, nr 4, Uniwersytet Ekonomiczny we Wrcoławiu, s. 91-104. 2. Walas-Trębacz J., Małkus T., Zarządzanie organizacjami w społeczeństwie informacyjnym, Dom Organizatora, Toruń 2020.
	eResources addresses	
Example issues/ example questions/ tasks being completed	**Project: project management with Microsoft Planner and Trello (schedule, task assignment)** • Project topic: organizing Kick-off meting to start a project for company X . • Task: creating a Planner board for a project they plan to manage (adding a task to the board, assigning the task to team members and setting a completion date. Testing Trello features such as dragging and dropping cards between lists, labeling cards and commenting on cards.	
Work placement	Not applicable	

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