University of Gdańsk

Subject card

Subject name and code	IT Tools in Projects, PG_00199222		
Field of study	International Economic Relations		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	Bachelor'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	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	credit
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	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	0.0	20.0	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_W10] has an advanced understanding of 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
[MSGL3_U08] uses 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_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

<table>
<tr><td>Subject contents</td><td>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.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>he student should understand what a project is and how to plan it.</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Project</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>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.</td></tr><tr><td>Supplementary literature</td><td>Wróblewski P., Zarządzanie projektami z wykorzystaniem darmowego oprogramowania. Helion, Gliwice 2009</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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