University of Gdańsk

Subject card

Subject name and code	Project management, PG_00197330						
Field of study	Biotechnology						
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 Humanistic-social subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		English		
Semester of study	3		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Joanna Sadkowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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		2.0		8.0	25
Subject objectives	The aim of the course is: a. to impart in-depth knowledge in the area of project management b. for Students to acquire project management techniques and tools in the project initiation, planning, execution and closure phases. Particular emphasis will be placed on building the Student's skills in the area of project planning.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOTECHMU2_U06] The graduate is able to prepare, in a targeted manner in Polish and / or English, a written study, a scientific publication in the field of biotechnology using scientific language, including specialist terminology and conceptual apparatus.	Knows selected project management issues in depth and knows how to present them	[SU2] presentation/project/paper/ report
[BIOTECHMU2_K07] The graduate is aware of the importance of economic factors in the commercialization of research results. He thinks and acts in an entrepreneurial manner.	Is aware of the importance of design in the commercialisation of research results. When working in a project team, thinks and acts in an entrepreneurial manner	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work
[BIOTECHMU2_W07] The graduate possesses knowledge in the social sciences and humanities that is helpful in entrepreneurship and effective functioning in society, and understands the principles of responsibility in conducting scientific research, is able to interpret scientific and organizational decisions in the light of ethical, social and economic values.	Knows and understands selected project management issues in depth	[SW4] test/exam - oral or written
[BIOTECHMU2_U03] The graduate is able to work independently and in a team, including acting as a leader, demonstrating social maturity, empathy and responsibility for the team and the decisions made.	Able to work as part of a project team and perform the assigned role in a responsible manner	[SU8] observation of student's independent or team work

Subject contents

Topic 1: Introduction to project management The essence and characteristics of projects The place and role of projects in the activity of a small enterprise The specific activity of a small tourism enterprise Projects in the history of project management Parameters of projects Project classification Project management in the activity of a small tourism enterprise

Topic 2: The life cycle of projects 1. The essence of the life cycle 2. The life cycle of a project versus the life cycle of a product and an organisation 3. The stages of the project life cycle 4. Life cycle analysis on the example of selected projects (case study)

Topic 3: Project initiation and planning Defining project goals and scope Project charter Project stakeholder analysis Project responsibility matrix (RAM) 4. Project work breakdown structure (SPP/WBS) The essence and purpose of creating an SPP Types of SPP Building a work breakdown structure

Topic 4: Selected techniques in project planning Scheduling Network techniques 2. Project planning using the Critical Path Method (CPM) The essence and main assumptions of the CPM Network diagram in project planning Time reserves in the CPM Method Determination and analysis of the critical path

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written exam	51.0%	50.0%
evaluation of the project work on the basis of team activity during the class	51.0%	50.0%

Recommended reading

Basic literature	Wysocki R., Efektywne zarządzanie projektami- tradycyjne, zwinne, ekstremalne, OnePress, Gliwice , najnowsze wydanie

	Supplementary literature	Pietras P., Szmit M., Project management-selected methods and techniques, Horyzont, Łódź 2003. Trocki M. (red.), Nowoczesne zarządzanie projektem, PWE, Warszawa 2012. Trocki M. (ed.), Planning the course of projects, SGH Publishing House, Warsaw 2015. Wirkus M. et al, Project management, PWE, Warsaw 2014. Sadkowska J., *Zarządzanie projektami - perspektywa sukcesu*, w: Antonowicz P., Próchniak J., Sadkowska J. (red.), *Zarządzanie rozwojem przedsiębiorstwa - Perspektywa nauki i praktyki gospodarczej* , tom 2, Wydawnictwo Uniwersytetu Gdańskiego, Sopot 2020, ss. 173-190.
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. preparation of a project charter 2. preparation of a project stakeholder analysis and a strategy for dealing with the various stakeholders 3. preparation of a Gantt chart for the project 4. preparation of a network diagram for the project	
Work placement	Not applicable	

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