University of Gdańsk

Subject card

Subject name and code	Investment & Project Management, PG_00178524						
Field of study	Finance and Accounting						
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 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	6		ECTS credits		5.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Investment and Real Estate -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Anna Wojewnik-Filipkowska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	15.0	0.0	0.0	60
	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	60		4.0		61.0	125
Subject objectives	The course aims to provide students with knowledge, techniques, and tools for project management, and to familiarize them with the issues of investment management from both theoretical and practical perspectives, with an emphasis on understanding the process of preparing an investment project and assessing the financial efficiency of investments. Working in project teams, students will gain practical project management skills, especially in the project planning phase, and will prepare a financial model and conduct a profitability analysis as part of a preliminary feasibility study for a sample investment project.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[FiRL3_W05] To an advanced degree, the student knows and understands the tools and techniques for obtaining, compiling, and analyzing the data necessary to assess the financial situation of various entities in management, quality sciences, economics, and finance.	The student recognizes and can apply advanced methods and tools used to assess the profitability of investment projects and analyze risk, utilizing knowledge from finance, accounting, and management.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
[FiRL3_U11] The student can engage and collaborate in teams, assuming different roles.	The student effectively collaborates in a project team, taking responsibility for selected project stages and participating in decision-making processes.	[SU5] implementation of a problem task
[FiRL3_W09] The student with an advanced degree knows and understands the general principles of creating and developing various forms of entrepreneurship using knowledge from management, quality sciences, economics and finance.	The student can create and analyze investment project models and prepare a business project concept considering market and financial conditions.	[SW4] test/exam - oral or written [SW5] implementation of a problem task
[FiRL3_U10] The student can convey information clearly and effectively, presenting their opinions using finance and accounting terminology across various media.	The student presents the results of financial analysis of investment projects clearly and professionally, formulating conclusions and recommendations using appropriate economic and financial terminology.	[SU4] test/exam - oral or written [SU5] implementation of a problem task

Subject contents

[SCOPE: PROJECT MANAGEMENT]
Lecture Topics (15 hours):
1. Introduction to project management
2. Aspects of planning and implementation of undertakings; Deming cycle
3. Waterfall, agile, and hybrid methodologies in IT project management
4. Waterfall project management methodologies for IT projects PMI, PRINCE II, PM²
5. Agile project management methodology for IT projects: SCRUM example
6. Basic project management tools during the execution phase of IT projects

Exercise Topics (15 hours):
1. Project initiation and planning defining project goals and scope; project charter
2. Project initiation and planning stakeholder analysis
3. Project initiation and planning work breakdown structure (WBS)
4. Project initiation and planning responsibility assignment matrix (RAM)
5. Selected project planning techniques Gantt chart
6. Selected project planning techniques critical path method (CPM), precedence diagram method (PDM), project as a network structure, determining the critical path
7. Selected project planning techniques time buffers (Total Float/Free Float) and their role in project planning; determining the critical path

[SCOPE: INVESTMENT MANAGEMENT]
Lecture Topics (15 hours):
1. Nature, types, premises, importance, and conditions of investment decisions
2. Concept, characteristics, classification of investments; principles of investment management
3. Types of investment projects, project cycle, types and aspects of pre-investment studies
4. Purpose, content, and functions of investment project feasibility studies
5. Assumptions problem in projects; principles of preparing financial models within feasibility studies
6. Principles, types, and techniques of project profitability accounting
7. Owner's and standard approaches to profitability assessment
8. Risk in investment projects; sensitivity analysis

Computer Lab Topics (15 hours):
1. Sample project study concept of an enterprise investment project
2. Development of investment project strategy
3. Location analysis and site selection
4. Planning assumptions for financial modeling; data collection for pre-investment studies
5. Planning investment outlays and sources of financing
6. Planning production/service capacity and revenue forecasting
7. Cost forecasting
8. Financial statement forecasting for case study
9. Profitability assessment of investment project for standard (FCFF) and owner's (FCFE) approaches using static and dynamic profitability methods
10. Investment project risk assessment; conclusions from analysis

Prerequisites and co-requisites

Students should know the basic principles of investment management, including methods for evaluating investment profitability divided into static and dynamic approaches, and understand the concept of the time value of money. They should possess knowledge of managerial accounting, cost accounting, and financial accounting, as well as practical skills in using IT tools in management.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Problem soving	51.0%	30.0%
Test/Exam	51.0%	70.0%

Recommended reading	Basic literature	1. Behrens W., Hawranek P.M., Poradnik przygotowania przemysłowych studiów feasibility. Wydawnictwo UNIDO, Warszawa 1993. 2. Nawrocka E., Szczepaniak K., Welzant K., Wojewnik-Filipkowska A.: Inwestycje przedsiębiorstw w niepewnych warunkach rynkowych, CEDEWU, Warszawa 2022; rozdziały: 1, 2 oraz 5. 3. Przewodnik PMBOK, wydanie 7-me, Project Management Institute 4. Rubin K., Scrum. Praktyczny przewodnik po najpopularniejszej metodyce Agile, Helion, 5. Wysocki R., Efektywne zarządzanie projektami, OnePress, Gliwice, wydanie najnowsze lub wcześniejsze. 6. The Scrum Guide: https://www.scrum.org/resources/scrum-guide
	Supplementary literature	1. Czerwińska T., Kowalke K., Nawrocka E., Rymarzak M., Szczepaniak K., Trojanowski D., Wojewnik-Filipkowska A., Zarządzanie inwestycjami i nieruchomościami. Wybrane problemy, Fundacja Rozwoju Uniwersytetu Gdańskiego, Gdańsk 2011. 2. Dziworska K., Decyzje inwestycyjne przedsiębiorstw, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2000. 3. Krzymowski B., Excel 2003 PL. Poradnik dla nieinformatyków, HELP, 2004.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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