



Subject card

Subject name and code	Finance Management, PG_00023764						
Field of study	Mathematics						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2023/2024		
Education level	first-cycle studies		Subject group		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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Zakład Równań Różniczkowych i Zastosowań Matematyki -> Instytut Matematyki Stosowanej -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Świetlik				
	Teachers		dr inż. Krzysztof Świetlik				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	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	45		2.0		3.0	50
Subject objectives	Acquisition of knowledge in the area of asset management (stocks, receivables, payables). Acquisition of the ability of calculating the weighted average cost of capital and determining the liquidity strategy for company.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_U10		Student uses MS Excel formulas to calculate WACC value.		[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
	K6_W03		Student demonstrates connections using the regression function between the level of inventories and receivables in the company.		[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	K6_U05		Student determines the optimal batch of product delivery.		[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
Subject contents	The nature and object of financial management. Company assets. Sources of financing company. Cost of capital and its structure. Problem of working capital management (formation of liquidity). Cash management in the enterprise. Management of receivables and payables. Inventory management. Investment decisions of the company. Revenues, expenses and earnings after tax of the company.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Seminar test		60.0%		50.0%		
	Lecture test		60.0%		50.0%		

Recommended reading	Basic literature	<p>1. E. W. Davis, J. Pointon, Finanse i firma, PWE, Warszawa 1997</p> <p>2. W. Bień, A. Bień, Kalkulacja ceny pieniądza w lokatach, pożyczkach i kredytach, Difin, Warszawa 2009</p> <p>3. D. G. Luenberger, Teoria inwestycji finansowych, PWN, Warszawa 2003</p> <p>4. J. Czekaj, Z. Dresler, Zarządzanie finansami przedsiębiorstw, PWN, Warszawa 2006</p> <p>5. B. Pomykalska, P. Pomykalski, Analiza finansowa przedsiębiorstwa, PWN, Warszawa 2007</p>
	Supplementary literature	<p>1. J. Ostaszewski, Nowoczesne zarządzanie finansami firmy, Interfart, Łódź 2001.</p> <p>2. Praca zb., Tajniki finansów, K.E.Liber, Warszawa 1998</p>
	eResources addresses	<p>Adresy na platformie eNauczanie: Zarządzanie Finansami, WFTiMS, MF, sem. letni 23/24 - Moodle ID: 37763 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37763</p>
Example issues/ example questions/ tasks being completed	<p>Calculate and interpret the WACC.</p> <p>Calculate the optimal batch delivery.</p> <p>Compare Baumol model with Miller-Orr model.</p>	
Work placement	Not applicable	