

Subject card

Subject name and code	Finance Management, PG_00023764								
Field of study	Mathematics								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2024/2025			
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		Assessmer	nt form		assessment			
Conducting unit	Divison of Differential Equations and Applications of Mathematics -> Institute of Applied Mathematics -> Faculty of Applied Physics and Mathematics								
Name and surname	Subject supervisor		dr inż. Krzysztof Świetlik						
of lecturer (lecturers)	Teachers		dr inż. Krzysztof Świetlik						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	30.0	15.0	0.0	0.0		0.0	45	
	E-learning hours included: 0.0								
	Adresy na platformie eNauczanie:								
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	Acquiring knowledge in the field of managing assets and liabilities of the enterprise. Acquiring skills in designing the optimal capital structure, calculating the cost of capital, defining investment strategies, profit dynamics and growth of the company's balance sheet value.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	K6_W03		The student uses functions to demonstrate cause and effect relationships describing the company's liabilities and assets			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge			
	K6_U10					[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information			
	K6_U05		The student determines the optimal capital structure depending on various criteria			[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information			

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Subject contents	The essence and subject of financial management. Enterprise assets.							
	O Fatancia and and financial and							
	2. Enterprise revenues, costs and financial result.							
	Sources of financing of enterprise operations. Cost of capital and its structure. Problems of managing working capital (liquidity shaping) and fixed capital.							
	5. Shaping the optimal capital structure.							
	 6. Cash management in the enterprise. Management of receivables and liabilities. 7. Inventory management. 8. Enterprise investment decisions. 9. Analysis of cash flows and investment profitability in the context of the cost of capital and economic 							
	uncertainty.							
Proroquisitos	Basics of Economics							
Prerequisites and co-requisites	Dadioo of Loonoffiles							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade					
and criteria	Lecture test	60.0%	50.0%					
	Seminar test	60.0%	50.0%					
Recommended reading	Basic literature	J. J. Jaworski, Teoria i praktyka zarządzania finansami						
r to commona ou rouding	przedsiębiorstw, Wyd, CeDeWu, Warszawa 2021							
	2. J. Czekaj, Z. Dresler, Zarządzanie finansami przedsię							
		Warszawa 2008						
		3. D. G. Luenberger, Teoria inwestycji finansowych, PWN, Warsza						
		2003						
	Supplementary literature	1. W . Dębski, Rynek finansowy i je	go mechanizmy. Podstawy teorii i					
		praktyki., PWN, Warszawa 2014						
		2 M Bia4 A Bia4 Kalludasia associated a substant						
	2. W. Bień, A. Bień, Kalkulacja ceny pieniądza w lokatach, poży i kredytach, Difin, Warszawa 2009							
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		3. B. Pomykalska, P. Pomykalski, A	naliza finansowa przedsiębiorstwa,					
		3. B. Pomykalska, P. Pomykalski, A PWN, Warszawa 2007	naliza finansowa przedsiębiorstwa,					
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