

Subject card

Subject name and code	Startups financing, PG_00057662						
Field of study	Chemical Business						
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 Humanistic-social 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		exam		
Conducting unit	Department of Macroeconomics -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Jerzy Podlewski				
	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		33.0	50
Subject objectives	The aim of the course is to impart knowledge and teach skills in the design of strat-up financing and to be able to analyse the effects of specific start-up financing methods on the operation of the business.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BCHINŻ_W01] Describes the relationship between the economy and the functioning of the chemical industry.	The student knows how to analyse the consequences of choosing different ways of financing start-ups. Knows what the financial maturation of a company is: changing financing strategies after the start-up phase.	[SW4] test/exam - oral or written
	[BCHINŻ_W09] Describes the principles of creating and developing forms of individual entrepreneurship using knowledge of economics.	Student knows how to identify types of business development. Can assess what is the most advantageous structure of possible sources of financing for a start-up. Can describe the financial dimensions of projected investments in physical and intellectual capital, identify sources of their financing and effective use in a start-up.	[SW4] test/exam - oral or written
	[BCHINŻ_U11] Uses the acquired economic knowledge in undertaking independent business activities and resolving dilemmas of professional work.	The student has knowledge of how the financing of the exploitation of a new enterprise is designed and what are the main decisions in this respect. He/she knows what the strategy of cooperation of a young enterprise with financial institutions and investors (private equity funds, angels) is.	[SU4] test/exam - oral or written
	[BCHINŻ_K06] Is familiar with the general principles of creating and operating forms of individual entrepreneurship.	The student knows what is business costing and expense maturity. Knows the difference between costs and expenses. Understands what the principles of financing a new business are. Understands how the financial start-up (investment) is designed and what the main decisions are in this respect.	[SK4] test/exam - oral or written
	[BCHINŻ_U12] Is able to participate in the analyses and evaluation of alternative solutions to economic problems and choose methods and instruments to rationally resolve them.	The student understands what is the role of equity and debt capital and how to structure the financing of a business. Understands the role of debt funds and what types of debt funds are available and how to finance with debt. Knows how to construct a financing assembly for investment and operation of a young enterprise.	[SU4] test/exam - oral or written
	[BCHINŻ_W12] Has basic knowledge of man as an entity creating economic structures in the chemical business and has elementary knowledge of the principles and motives of human action in these structures.	The student understands how to shape financial management functions in a start-up. He/she understands the necessity of continuous improvement of financial knowledge and the limitations of start-up managers in this area, understands the possibilities and ways to use external financial knowledge in different forms.	[SW4] test/exam - oral or written
	[BCHINŻ_U07] Performs a preliminary economic analysis of designed and implemented engineering tasks.	The student will be able to construct a business cost estimate, prepare a cash flow of expenses and receipts, and accrual cost statements. Knows how to plan revenue using revenue estimation techniques, can construct a summary balance sheet and income statement for a small business. Knows how to build a plan for the financial start-up and operation of a small business.	[SU4] test/exam - oral or written

Subject contents	1. Types of business development: organic, debt-assisted organic, debt-based and inorganic 2. Financial, balance sheet and income statement categories 3. Structure of possible sources of financing for a start-up 4. Aquity and its types. Equity financing 5. Debt funds and their types. Debt financing 6 Financial risk and business risk. Estimating the level of risk. Prudent and risky financing strategies. 7. Business costing and maturity of expenditure. Costs and expenses. 8. Principles of building a financing structure for a new business. 9. Financial design of a start-up (investment). Major decisions. 10. strategy of cooperation of the young enterprise with financial institutions and investors (private equity funds, angels). 11. Analysis of the effects of the choice of different ways of financing loss ups. 12. Financial maturation of the enterprise: changing the financing strategy after the start-up phase.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written exam (test and or open questions) or oral exam	51.0%	100.0%
Recommended reading	Basic literature	Duliniec A., Finansowanie przedsiębiorstwa : strategie i instrumenty, Polskie Wydawnictwo Ekonomiczne, 2011 Pietras P., Głodek P., Finansowanie przedsięwzięć innowacyjnych w MSP, PARP, Drukarnia Muru Gumbel, Łódź 2011 Panfil M. (red.), Finansowanie rozwoju przedsiębiorstwa: studia przypadków, Wyd. Difin Centrum Doradztwa i Informacji, Warszawa 2008.	
	Supplementary literature	Szczepaniec M , Kulawczuk P., Jurkiewicz T., Finanse behawioralne mikro, małych i średnich przedsiębiorstw. Jak unikać błędów w biznesie i podejmować optymalne decyzje, Wydawnictwo UG, 2021 Szczepaniec M, Kulawczuk P., Sierpińska M., Start i rozwój biznesu. Jak rozpocząć własną działalność gospodarczą i osiągnąć sukces?, Wydawnictwo UG 2024	
	eResources addresses		
Example issues/ example questions/ tasks being completed	List advantages and disadvantages of chosen form of financing start-up assets with debt capital. How do you manage the company's liquidity on the asset and liability side? What are the types of financial risks in start-ups?		
Work placement	Not applicable		

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