University of Gdańsk

Subject card

Subject name and code	Financing Innovation in Enterprises, PG_00169842					
Field of study	Economics					
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028	
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Optional subject group	
Mode of study	part-time studies		Mode of delivery		at the university	
Year of study	3		Language of instruction		Polish	
Semester of study	6		ECTS credits		2.0	
Learning profile	academic		Assessment form		credit	
Conducting unit						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Aleksandra Gus-Puszczewicz			
	Teachers					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	14.0	0.0	0.0	0.0	14
	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	14		5.0	31.0		50
Subject objectives	Acquiring basic knowledge about public sources of financing innovations and application skills.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_K01] recognises the importance of economic knowledge in identifying and solving economic problems and of consulting experts when difficulties in solving them independently	The student appreciates the importance of knowledge in the economics of innovation in the process of identifying and solving economic problems, especially in the context of financing innovation within an enterprise.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[EKONL3_K03] participates in the preparation of economic and social projects, being able to reconcile legal, economic, ecological, political and social requirements	The student participates in the preparation of innovative projects, being able to reconcile legal, economic, environmental, political, and social requirements, particularly in the context of financing innovation within an enterprise.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[EKONL3_W11] knows the general principles for the creation and development of forms of individual entrepreneurship, using knowledge of economics, finance and management sciences	The student demonstrates knowledge of creating and developing forms of individual innovative entrepreneurship and is capable of applying economic, financial, and management knowledge to fund innovation activities in an enterprise.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_W10] knows and understands the basic concepts and principles of industrial property, intellectual property and copyright law	The student knows and understands the basic concepts and principles of industrial property protection, intellectual property, and copyright law, particularly in the context of financing innovation within an enterprise.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_K05] correctly identifies, diagnoses and resolves professional dilemmas and different options for solutions	The student correctly identifies, analyses, and resolves dilemmas as well as various solution options related to financing innovation within an enterprise and performing professional tasks in this area	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[EKONL3_U13] be able to interact and work in a group (including an international one), assuming various roles within it	The student is able to cooperate and work in a team, taking on various roles, particularly when analysing and solving problems related to financing innovation within an enterprise.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student knows the types of economic and social relationships and the principles governing them in innovation processes, particularly in the context of their financing within an enterprise.	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[EKONL3_U04] can predict and forecast the course of economic and social processes and phenomena	The student is able to predict the course of economic and social processes and phenomena, as well as to forecast these phenomena, particularly in the context of financing innovation within an enterprise.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[EKONL3_U07] is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to choose the methods and instruments to resolve them rationally	The student is able to participate in the analysis and evaluation of alternative innovative solutions, particularly in terms of their financing within an enterprise.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report

Subject contents	
	Financing Different Stages of Development of an Innovative Company and Its Innovation Processes: • Characteristics of risks and financial challenges at different stages of an innovative company's development (seed, startup, growth, maturity). • The role of equity capital versus debt capital in financing innovation at various stages. • Financing research and development (R&D) activities specifics, methods, and tools. • Financing scaling and commercialization of innovations. • The importance of hybrid financing models for innovative companies. Domestic and International Sources of Innovation Financing: • Overview of financing instruments offered by public and private institutions in Poland. • Support mechanisms for innovative enterprises offered by international agencies and programs (e.g., EIC, Horizon Europe, foreign venture capital). • Comparison of the effectiveness and accessibility of domestic and international funding sources. • International cooperation as a form of financial and non-financial support for innovation. • Barriers and challenges in obtaining foreign funds for innovation. EU Funds as a Source of Innovation Financing in Enterprises: • Structure and objectives of key EU funds supporting innovation (e.g., Horizon Europe, LIFE Program, ERDF). • Application process and evaluation criteria for projects in the context of EU funds. • Examples of best practices from companies that successfully obtained EU funding. • The role of partnerships and consortia in projects funded by the EU. • The importance of monitoring and reporting in projects co-financed by the EU. National and Regional Operational Programs 2021-2027: • Goals and priorities for financing innovation under the National and Regional Operational Programs. • Differences in the approach to innovation financing at national and regional levels. • Project selection and evaluation process in operational programs. • The importance of sectoral programs (e.g., smart specializations) for innovation financing.

	• Cooperation between enterprises and research units within operational programs. Grants and Non-Grant Instruments: Rules and Conditions for Fund Allocation and Eligibility of Expenses: • Differences between grants and repayable instruments (loans, credits, bonds). • Formal and substantive conditions for awarding innovation grants. • Eligibility of costs and examples of eligible expenses. • Principles of accounting and control of fund expenditures. • Risks related to non-grant financing and strategies to minimize them. Preparing an Application for Funding an Innovative Project: Group Work: • Methods for effective planning and presentation of an innovative project. • Key elements of an application (goals, budget, timeline, outcomes). • Techniques for writing a business plan and justifying the need for funding. • Practical exercises simulating application evaluations. • Interdisciplinary cooperation and task division within the applying team. Wątpliwości pojawiające się podczas rozwiązywania zadań problemowych oraz analizy źródeł finansowania przedsiębiorstwa będą wyjaśniane i zatwierdzane w trakcie konsultacji
Prerequisites and co-requisites	Basic knowledge of innovation and business management.
Assessment methods and criteria	see below

Assessment methods and criteria:

Subject passing criteria	Passing threshold	Percentage of the final grade
problem-solving task completion	51.0%	100.0%

Recommended reading	Basic literature	1. Fulford H., (ed.), Case Studies in Innovation for Researchers, Teachers and Students, Academic Publishing International, 2012, 2. Jarunee Wonglimpiyarat, Technology Financing and Commercialization. Exploring the Challenges and How Nations Can Build Innovative Capacity, Palgrave Macmillan, 2014, 3. Umowa Partnerstwa dla Realizacji Polityki Spójności 2021-2027 w Polsce, 4. M Sierpińska, A Sierpińska-Sawicz, R Węgrzyn, Controlling finansowy w przedsiębiorstwie, Wydawnictwo Naukowe PWN, Warszawa 2019, 5. The interdependence of R&D, innovations, and productivity: case of Polish manufacturing companies Zabłocka-Abi Yaghi A., Tomaszewski T., Ekonomia i Prawo. Economics and Law, 2024, vol. 23, nr 1 6. Innovation drivers in regions. Does urbanization matter? Ciołek D., Golejewska A., Zabłocka-Abi Yaghi A., Growth and Change, 2022, vol. 53, nr 4
	Supplementary literature	1. Głuszczuk D., Pragmatyczne aspekty wyboru źródeł finansowania innowacji-procedura i kryteria, Biblioteka Regionalisty 10(2010). 2. Pietras P., Głodek P., Finansowanie przedsięwzięć innowacyjnych w MSP, PARP 2011 3. Finansowanie przedsiębiorstw transportowych, Szałucki K., Rolbiecki R., W: Transport : nowe wyzwania / Wojewódzka-Król Krystyna, Załoga Elżbieta (red.), 2017, Warszawa, Wydawnictwo Naukowe PWN, 4. Uwarunkowania przepływów usług biznesowych na rynku wewnętrznym Unii Europejskiej Stefaniak J., 2024, Gdańsk, Wydawnictwo Uniwersytetu Gdańskiego, 5. Usługi dla przedsiębiorstw na rynku wewnętrznym Unii Europejskiej Stefaniak J., Kuczewska J., W: Polskie przedsiębiorstwo na jednolitym rynku europejskim: wyzwania współczesności / Gorynia Marian, Kuczewska Joanna, Nowak Alojzy Z. (red.), 2022, Warszawa, Polskie Wydawnictwo Ekonomiczne 6. Unia Europejska jako liczący się partner globalny. Prawda czy iluzja? Stępniak A., Stefaniak J., Zieliński M., Przegląd Zachodni, 2020, vol. 374, nr 1
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	