

Subject card

Subject name and code	European projects of SME - R&D, PG_00080792						
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		Optional subject group		
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		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Jacek Zaucha				
	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		8.0	25
Subject objectives	The aim of the course is to provide knowledge on financing innovative projects of companies in the chemical, pharmaceutical or biotechnology industries						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BCHINŻ_U09] Using the acquired knowledge, skills and various sources of scientific information independently prepares written papers and oral presentations.	The student applies the acquired knowledge, skills and various sources of scientific information to obtain external funds for R&D, independently prepares applications for this purpose and oral presentations on this issue in relation to running a chemical business.	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[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 has knowledge of economics about man as an entity that creates economic structures in the chemical business and obtains funds for R&D from public sources, has knowledge of the principles and motives of human activity in the R&D structures.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[BCHINŻ_K03] Independently sets or implements a set action plan specifying priorities for its implementation; critically assesses its progress.	The student independently establishes or implements an established action plan for raising funds for R&D, specifying the priorities for its implementation	[SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[BCHINŻ_W01] Describes the relationship between the economy and the functioning of the chemical industry.	The student describes at an advanced level the relations between economics and the functioning of a chemical enterprise in the field of raising funds for R&D	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[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 is able to participate in analyzes and assessments of alternative solutions for applying for external support to finance R&D and is able to select appropriate methods and instruments in this area.	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[BCHINŻ_U11] Uses the acquired economic knowledge in undertaking independent business activities and resolving dilemmas of professional work.	The student applies the acquired knowledge in economics to independently apply for external support to finance R&D in the chemical business	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[BCHINŻ_K02] Works individually demonstrating initiative and independence in actions, and effectively cooperates in a team, performing various roles in it.	The student works individually, showing initiative and independence in applying for external funds for R&D and cooperates effectively in a team, playing various roles in it.	[SK2] presentation/project/paper/report [SK5] implementation of a problem task

Subject contents	T1. The learning organization. Research and development (R&D) activities of enterprises in Poland. What is R&D activity? What is the purpose of R&D activities? What types of research are there? Forms of R&D activity in the company T2. R&D support policy at EU and national level. Review of the most important strategic documents in Poland and the EU. The most important directions of supporting R&D. T.3 R&D. in the province Pomeranian. The most important strategic documents. Overview of support instruments T.4 Commercialization of research results. Sources of financing and support procedures. T.5. Co-financing of R&D from EU funds. Operational Programme. European Funds for a Modern Economy 2021-2027 (FENG), successor of POIR. Operational Program European Funds for Digital Development 2021-2027 (FERC). Operational Program European Funds for Social Development 2021-2027 (FERS), successor to POWER, Operational Program European Funds for Eastern Poland. Operational Program European Funds for Infrastructure, Climate, Environment for 2021-2027 (FENIKS). Regional Operational Programs. Cross-border and cross-border cooperation programs (INTERREGs). The European Union Framework Program Horizon Europe. T 6 Preparation of an R&D project within FENG. Main requirements of the program. Priorities and expected products. Coursebook. T7. Preparation of a research project under the Horizon Europe Program. Main requirements of the program. Priorities and expected products. Coursebook. T8. Own instruments of the Marshal of the Pomeranian Voivodeship supporting R&D in the region (emphasis on repayable instruments).		
Prerequisites and co-requisites	Completed economics and entrepreneurship course		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	group project	51.0%	100.0%
Recommended reading	Basic literature 1. Baruk J., <i>Zarządzanie wiedzą i innowacjami</i>, Wydawnictwo Adam Marszałek, Toruń 2006 2. Szopik K. Działalność badawczo-rozwojowa w Polsce Zeszyty naukowe Uniwersytetu Szczecińskiego 285 nr 453 Ekonomiczne problemy usług nr 8 2007		

	Supplementary literature	1 Działalność badawczo-rozwojowa przedsiębiorstw w Polsce Perspektywa 2020 KPMG Sp. z o.o. Warszawa 2013 2.Tamowicz P. Pieńkowski M. Jak uruchomić działalność B+R w firmie? IBnGR, Gdańsk 2010
	eResources addresses	Supplementary https://www.parp.gov.pl/ - Polish Agency for Enterprise Development (PARP). The aim of the Agency is to implement economic development programs supporting innovative and research activities of small and medium-sized enterprises (SMEs), regional development, export growth, human resources development and the use of new technologies in business activities.
Example issues/ example questions/ tasks being completed	Group work after commencing the lectures (5-6 people) consisting in using the acquired knowledge in the process of obtaining external funds for R&D in a selected company from the chemical, pharmaceutical or biotechnology industries.	
Work placement	Not applicable	

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