

Subject card

Subject name and code	Basis of Innovations, PG_00170023						
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	
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				
Conducting unit	Department of International Economics and Economic Development -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr inż. Tomasz Laskowicz				
	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		5.0		30.0	50
Subject objectives	To understand the importance of innovation in building the competitiveness of the enterprise and the development of the modern economy. To learn about the practical aspects of creating and implementing innovative solutions in the enterprise and the economy.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[EKONL3_U03] is able to analyse the causes and course of specific economic and social processes and phenomena, and accurately analyse these phenomena using adequate methods and tools economic and social	Students are able to analyze the causes and course of innovative processes and economic phenomena.	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[EKONL3_W02] has advanced knowledge of the different types of existing business entities and organisations and public institutions	The student has advanced knowledge of the entities, structures and institutions that create economic innovation.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[EKONL3_U01] can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain economic phenomena	Students can correctly interpret economic and social phenomena and apply knowledge of economics, finance and management sciences to explain phenomena related to the creation and implementation of innovations in the economy.	[SU2] presentation/project/paper/report
	[EKONL3_W08] has knowledge of the processes of changing elements, enterprises and whole structures of economic organisations, as well as the processes of changing social institutions, knows what their causes, course, scale, consequences are and what the influence of external stakeholders is on them	The student understands the importance of economics in the process of identifying and solving economic and social problems. He understands the structure of the economy and the innovation ecosystem, as well as the role of institutions supporting the development of innovative enterprises and entrepreneurship.	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[EKONL3_W04] knows the types of economic and social ties and the regularities governing them	The student has advanced knowledge of economic and social ties and regularities that occur in the processes of innovation creation and implementation	[SW2] presentation/project/paper/report
	[EKONL3_W03] has advanced knowledge of the relations between economic agents and social organisations operating in the national, international and intercultural arenas	The student has advanced knowledge of the relationship between innovation processes, specific spheres of the economy and public institutions.	[SW2] presentation/project/paper/report
	[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 understands the importance of economics in the process of identifying and solving economic problems in the field of innovation and innovation, and consults experts when necessary	[SK2] presentation/project/paper/report [SK8] observation of student's independent or team work
	[EKONL3_K02] is aware of the level of knowledge in the field of economics and understands the need to deepen and update this knowledge throughout life	He learns about further opportunities to develop his knowledge of innovation and the creation of innovative enterprises. Gains access to self-development by identifying paths for gaining knowledge at a further stage of understanding innovation creation processes. The student is able to verify the state of his/her knowledge and independently supplement and improve the acquired knowledge and economic skills related to innovative activities.	[SK1] oral statement/conversation/discussion [SK8] observation of student's independent or team work
	[EKONL3_U02] is able to use the knowledge of theory and data to analyse concrete economic and social processes and phenomena and to analyse these phenomena using methods developed in economics, finance and management sciences	Students are able to use their theoretical knowledge and acquire data to analyze specific innovation processes and related economic phenomena. The student is able to analyze these phenomena using methods created in economics and management sciences.	[SU2] presentation/project/paper/report

Subject contents	1 Trends in the use of ICT (information technology as the basis of the e-economy, the use of information technology in businesses, government and households, the development of electronic payment instruments) 2. Biotechnology and its application (the concept of biotechnology, industrial biotechnology, biotechnology in agriculture and medicine, examples of applications) 3. Innovation trends in energy and environmental activities (energy generation technologies, types of renewable energy sources, analysis of the use of renewable energy sources in the European Union, the concept of environmental innovation, environmental technology and eco-innovation) 4. Innovation trends in telecommunications (new technologies and services in mobile telephony, mobile internet, internet telephony, satellite navigation, intelligent transport systems) and innovation trends in services on the example of tourism (Innovative tourism products, process, organizational and marketing innovations in tourism enterprises, innovations in tourism service, transport innovations for tourism) 5. Success factors of startups and case analysis of Polish startups in the global market. Analysis of the criteria for evaluating a startup in terms of assessing the project's chance of success. 6. Creation of innovative projects and financing of startup development based on available forms of institutional and commercial support. Individual projects in the form of presentations and analytical reports will be discussed and approved during consultations.		
Prerequisites and co-requisites	Basic knowledge of business operations		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final presentation and sector analytical report	51.0%	100.0%
Recommended reading	Basic literature	1. J. Burnewicz, A. Koźlak, Innowacje w rozwoju ekonomiczno-społecznym, Tom I Ujęcie teoretyczne, Wyd. Uniwersytetu Gdańskiego, Gdańsk 2021.2. J. Burnewicz, A. Koźlak, P. Borkowski, Innowacje w rozwoju ekonomiczno-społecznym, Tom II Ujęcie empiryczne, Wyd. Uniwersytetu Gdańskiego, Gdańsk 2021.3. Innowacje w biznesie, red. A. Styś, A. Dejnaka, Difin, Warszawa 2018.4. Innowacje w strategii rozwoju organizacji w Unii Europejskiej, red.W. Janasz, Difin, Warszawa 2008.	
	Supplementary literature	Podręcznik Oslo: Zalecenia dotyczące pozyskiwania, prezentowania i wykorzystywania danych z zakresu innowacji, OECD, EUROSTAT, Paryż 2018Majewski, M. (2022). Startupy i ich ekosystem. W: A. KuźmińskaHaberla, S. Bobowski (red.), Rola ekosystemu w rozwoju startupów. Przypadek Wrocławia (s. 13-33). Wrocław: Wydawnictwo Uniwersytetu Ekonomicznego we Wrocławiu.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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