

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	NETWORK ECONOMIES AND INNOVATION POLICIES, PG_00067656								
Field of study	Economic Analytics								
Date of commencement of studies	October 2025		Academic year of realisation of subject			2026/2027			
Education level	second-cycle studies		Subject group			Optional subject group Specialty 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	3		ECTS credits			3.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej								
Name and surname	Subject supervisor								
of lecturer (lecturers)	Teachers								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
ormstruction	hours	15.0	30.0	0.0	0.0		0.0	45	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in classes includ plan	n didactic ed in study	ic Participation in Self-s udy consultation hours		Self-st	udy	SUM	
	Number of study hours	45		5.0		25.0		75	
Subject objectives	Explaining phenomena related to the development of inter-organizational cooperation, especially in the area of innovation								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K7_K02] acts entrepreneurially, making competent and ethical decisions that consider the public interest as well as economic, social, and environmental values.		is prepared to apply knowledge of network economy and innovation policy in developing knowledge- based clusters, making responsible decisions that consider social and environmental values.			[SK5] Assessment of ability to solve problems that arise in practice			
	[K7_W06] knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.		knows and understands the principles of data credibility assessment and applies appropriate methods to analyze the network economy, innovation, agglomeration, and regional development.			[SW1] Assessment of factual knowledge			
Subject contents	Introduction General theory of innovation: Theoretical background and definitions. Schumpeterian innovation Innovation models: Interactive models of an innovation process (coupling model, chain-linked model, systemic models) Networks in economics: Network externalities. Forms of collaboration. Diffusion of innovation in networks Industrial districts: Marshall's industrial districts, Italian industrial districts Knowledge and innovation networks: Regions as hubs of knowledge and innovation learning regions. Science-business cooperation networks triple helix. Knowledge flows based on relationships open innovation Territorial innovation models: innovation systems, innovative milieu, ecosystem of innovation Clusters: Clusters as an example of innovation networks Regional innovation networks: case studies Cluster initiatives: case studies Innovation policy in Europe: Programs supporting the development of innovation Innovation policy instruments part 1: The mix of innovation policy instruments innovation centers, technology transfer centers Innovation policy instruments part 2: The mix of innovation policy instruments science and technology parks, business incubators Innovation policy instruments: case studies Exam								

Prerequisites and co-requisites					
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade		
	Home works	60.0%	40.0%		
	Test	60.0%	60.0%		
Recommended reading	Basic literature	Bramoullé, Yann, Andrea Galeotti, and Brian Rogers, eds. The Oxford handbook of the economics of networks. Oxford University Press, 2016 Marshall, Alfred. Principles of economics: unabridged eighth edition. Cosimo, Inc., 2009 Porter, M.E., On Competition. Harvard Business Press, 2008 Rogers, Everett M. Diffusion of innovations. Simon and Schuster, 2010 Sundbo, Jon. The theory of innovation: enterpreneurs, technology and strategy. Edward Elgar Publishing, 1998			
	Supplementary literature	Adner R., Kapoor R. (2010). Value creation in innovation ecosystems: How the struc-ture of technological interdependence affects firm performance in new technology generations. Strategic Management Journal, 31(3), 306333 Autio E., Thomas L.D.W. (2014). Innovation ecosystems: Implications for innovation management? W: M. Dodgson, D. Gann, N. Phillips (red.). The Oxford Handbook of Innovation Management (s. 204228). Oxford, UK: Oxford University Press Bogers M. (2011). The open innovation paradox: knowledge sharing and protection in R&D collaborations. European Journal of Innovation Management, 14(1), 93-117 Chesbrough, H., & Bogers, M. (2014). Explicating Open Innovation: Clarifying an Emerging Paradigm for Understanding Innovation. In: Chesbrough H., Vanhaverbeke W., & West J. (Eds.). Open Innovation: New Frontiers and Applications. Oxford: Oxford University Press			
	eResources addresses	Adresy na platformie eNauczanie:			
Example issues/ example questions/ tasks being completed					
Work placement	Not applicable				

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