

Course title	Regional Innovation System: theory and practice						ECTS code	14.3.EE.FZ.3507			
							ECTS credits	5			
							max. students	30			
Name of unit administrating study	OTHER	Field of study	Economics			Field of specialisation	NONE;				
Teaching staff	Anna Golejewska, Habilitated doctor										
Number of hours											
Lectures	30	Classes	0	Tutorials	0	Laboratory	0	Seminars	0	Language classes	0
Forma aktywności						Year&Type of studies*	3 SS1, 1 SS2, 2 SS2, 2 SS1,				
Hours with the participation of the academic teacher (including office hours, exams, others):						Semester:	5, 1, 3, 3,				
Hours without the participation of the academic teacher (student's self-study, homeworks):						Type of course:	optional				
Total number of hours:						0	Language of instruction:	English			
Teaching form	in-class learning										
Teaching methods	Lectures including multimodal presentations, Work in computer laboratories, Collaborating, group activities, Case studies,										
Prerequisites (required courses and introductory requirements)											
Required courses	Microeconomics and macroeconomics: basic level.										
Introductory requirements	Interest in innovation and technology transfer.										
Assessment method, forms and criteria											
Assessment method	Course completion (graded)										
Assessment criteria	Participation in lectures, development and presentation of a project on a selected Regional Innovation System (teamwork).										
Course objectives											
The objective of the course is to complement the implementation of selected learning objectives in terms of knowledge, skills and social competence as provided for economics study programmes.											
Learning outcomes											
Knowledge	E1_W02	the student has advanced knowledge of various types of regional economic entities and organisations and public institutions involved in innovation processes									
	E1_W04	the student knows the types of economic and social relationships and the regularities governing them in the innovation system									
	E1_W06	the student is familiar with selected methods and tools, including statistical and econometric techniques, which make it possible to describe regional entities and organisations supporting innovation as well as public institutions and the processes occurring in them									
	E2_W02	the student has an in-depth knowledge of various types of existing regional economic entities and organizations involved in innovation processes and an extended knowledge of public institutions									
	E2_W04	the student knows different types of regional economic and social relations and the regularities existing between them and has in-depth knowledge of economic and financial networks connecting enterprises									
	E2_W06	the student knows statistical and econometric methods and tools for describing and modeling macro- and microeconomic economic structures and public institutions and the processes occurring in them									
Verification of learning outcomes - Knowledge											

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_W02							X	X	X		X
E1_W04							X	X	X		X
E1_W06							X	X	X		X
E2_W02							X	X	X		X
E2_W04							X	X	X		X
E2_W06							X	X	X		X
E1_W02											
E1_W04											
E1_W06											

Skills	E1_U03	the student is able to analyse the causes and course of specific economic and social processes and phenomena, and to analyse these phenomena accurately using adequate economic and social methods and tools									
	E1_U07	the student is able to participate in analyses and evaluations of alternative solutions to economic and social problems and to select methods and instruments that enable to solve them rationally									
	E2_U03	the student is able to analyze the causes and course of economic and social processes, to formulate his own opinions on the subject, to formulate research hypotheses and to select and apply methods of their verification									
	E2_U07	the student is able to propose solutions to complex problems of innovation, select methods of analysis and conduct conclusive procedures in this regard									

Verification of learning outcomes - Skills

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_U03							X	X	X		X
E1_U07							X	X	X		X
E2_U03							X	X	X		X
E2_U07							X	X	X		X

Attitudes	E1_K01	the student recognises the importance of knowledge of economics in the process of identifying and solving economic problems and of consulting experts when having difficulty solving them independently									
	E1_K03	the student takes part in the preparation of analyses of RIS, being able to reconcile legal, economic, ecological, political and social requirements									
	E2_K01	the student recognises the importance of knowledge in the field of Regional Innovation System									
	E2_K03	the student inspires and organizes the preparation of analyses of RIS, being able to reconcile the economic, ecological, political and social requirements									

Verification of learning outcomes - Attitudes

Outcomes	written exam	oral exam	test	essay/paper /portfolio	tasks/ homeworks	individual presentation	group presentation	classroom activities	classroom discussion	individual project	group project
E1_K01							X	X	X		X

E1_K03							X	X	X		X
E2_K01							X	X	X		X
E2_K03							X	X	X		X

Course contents

1. The nature of innovation: definitions, types, systems and sources. Types of knowledge.
2. The role of networks and cooperation in innovation process. National, territorial (regional, local, smart city), sectoral and technological innovation systems.
3. Theory of Regional Innovation System (RIS). Elements, actions and functions of RIS.
4. Classifications of Regional Innovation Systems.
5. Metropolitan versus peripheral RIS.
6. Methods of RIS analysis. Case studies of RISs in Poland and worldwide.
7. RIS as an innovation policy.

Recommended reading lists
Basic literature:

1. Fernandes C., Farinha L., Ferreira J.J., Asheim B. & Rutten R. (2020): *Regional innovation systems: what can we learn from 25 years of scientific achievements?*, Regional Studies, DOI: 10.1080/00343404.2020.1782878.
2. Asheim, B. T., Grillitsch M., & Trippel M. (2016): *Regional innovation systems: past - present - future. Handbook on the Geographies of Innovation*, 45-62. doi:10.4337/9781784710774.0001.
3. Pino R.M. & Ortega A.M. (2018): *Regional innovation systems: Systematic literature review and recommendations for future research*, Cogent Business & Management, 5:1, DOI: 10.1080/23311975.2018.1463606.

Complementary literature:

1. Asheim B.T., Isaksen A. & Trippel M. (2019): *The Role of the Regional Innovation System Approach in Contemporary Regional Policy: Is it still relevant in a Globalised World?*, 12, PEGIS.
2. Golejewska A. (2019): *Regionalne Systemy Innowacji w Polsce. Funkcjonowanie, efektywność i perspektywy rozwoju*. Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk.

Contact
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* SS1- undergraduate studies * SS2 - graduate studies * SDang - doctoral studies

** MSG - International Economic Relations