

Course title	Understanding, managing and financing innovation processes						ECTS code	14.03.5374				
							ECTS credits	5				
							max. students	30				
Name of unit administrating study	KEIE	Field of study	Economics/MSG**		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, 2 SS2,					
Hours with the participation of the academic teacher (including office hours, exams, others):						Semester:	5, 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, Activating methods in training classes, Collaborating, group activities, Case studies,											
Prerequisites (required courses and introductory requirements)												
Required courses	Microeconomics: basic level.											
Introductory requirements	Interest in innovation.											
Assessment method, forms and criteria												
Assessment method	Course completion (graded)											
Assessment criteria	Attandance and development of an innovation project and methods of its financing (in groups)											
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 and / or international economic relations study programmes.												
Learning outcomes												
Knowledge	E1_W02	the student has got abilities to identify different models of innovation, innovation strategies and funding to promote innovation and research activities.										
	E1_W04	the student knows the types of economic and social relationships and the regularities governing them in the innovation processes										
	E2_W02	the student has an in-depth knowledge of various types of existing economic entities and organizations and an extended knowledge of public institutions involved in innovation processes										
	E2_W04	the student knows different types of economic and social relations and the regularities existing between them and has in-depth knowledge of economic and financial networks connecting innovative enterprises										
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	
E1_W04							X				X	
E2_W02							X				X	
E2_W04							X				X	

Skills	E1_U02	the student should learn some practical skills allowing him to develop an innovation project and find methods of its financing.
	E1_U07	the student is able to participate in analyses and evaluations of alternative solutions to problems of innovation and to select methods and instruments that enable to solve them rationally
	E2_U02	the student will be able to use their knowledge to describe and analyse the causes and course of innovation processes and to formulate their own opinions and critically select data and analysis methods on the basis of the achievements of economic and social sciences
	E2_U07	the student is able to propose solutions to 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_U02							X				X
E1_U07							X				X
E2_U02							X				X
E2_U07							X				X

Attitudes	E1_K02	the student is open to cooperation and is able to work with others in a group, to take certain roles in teamwork, which serve the realization of team objectives.
	E1_K03	the student takes part in the preparation of innovative projects, being able to reconcile legal, economic, ecological, political and social requirements
	E2_K02	the student is aware of the level of his knowledge in the field of innovation, he understands the need to deepen and update this knowledge lifelong
	E2_K03	the student inspires and organizes the preparation of innovative projects, in accordance with the idea of sustainable development, being able to reconcile the legal, 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_K02							X				X
E1_K03							X				X
E2_K02							X				X
E2_K03							X				X

**Course contents**

1. Types of innovation.
2. Models of innovation.
3. Successful and unsuccessful innovation.
4. The degree of innovativeness.
5. Innovation as a management process.
6. Organisation characteristics facilitating innovation process (strategy, acceptance of risks, space for creativity...)
7. Models of technology transfer.
8. Forms of strategic alliances (supplier relations, R&D consortia, jv, clusters...)
9. Financing innovative business towards commercialisation.
10. Funding to promote innovation and research activities.
11. Technology financing and commercialisation programs.

**Recommended reading lists**

**Basic literature:**

1. Fulford H., (ed.), *Case Studies in Innovation for Researchers, Teachers and Students*, Academic Publishing International, 2012, ISBN: 978-1-908272-37-9
2. Keeley L., Walters H., Pikkil R., Quinn B., *Ten Types of Innovation: The Discipline of Building Breakthroughs*, Doblin, 2013, ISBN: 978-1-118-50424-6
3. Jarunee Wonglimpiyarat, *Technology Financing and Commercialization. Exploring the Challenges and How Nations Can Build Innovative Capacity*, Palgrave Macmillan, 2014, ISBN 9781137470614

**Complementary literature:**

4. Osterwalder A., Pigneur Y., *Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers*, Wiley and Sons, 2010, ISBN 978-0470-87641-1
5. Trott P., *Innovation Management and New Product Development*, 5th Edition, Financial Times Prentice Hall, Harlow, 2011, ISBN 9780273736561

Contact

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

\*\* MSG - International Economic Relations