Sylabusy - Centrum Informatyczne UG



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	KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI

Projekt współfinansowany przez
Únię Europejską w ramach
Europejskiego Funduszu
Społecznego

UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY



Course title			ECTS code			
Commercialization of research outcomes				13.3.0492		
Name of unit administrating study						
Faculty of Chemistry						
Studies						
faculty	field of study		type drugiego sto	ppnia		
Wydział Chemii	Chemia		form stacjonarne			
				nedyczna, analityka i diagnostyka chemiczna, chemia i środowiska, chemia obliczeniowa		
		spec	cialization wszystkie			
Teaching staff						
dr hab. Karol Krzymińs	ski, profesor uczelni					
Forms of classes, the r		of hour	'S	ECTS credits		
Forms of classes				1		
Lecture				Classes: 5 hours		
The realization of activi	ities			Consultation: 2 hours		
classroom instruction				Student's own work: 18 hours		
Number of hours				TOTAL: 25 hours - 1 ECTS		
Lecture: 5 hours						
The academic cycle						
2022/2023 winter sem	ester					
Type of course			Language of instru	ction		
obligatory			polish			
Teaching methods			Form and method of assessment and basic criteria for eveluation or examination requirements			
multimedia-based lecture			Final evaluation			
			Graded credit			
			Assessment methods			
			assignment work – project or presentation			
			The basic criteria for evaluation			
Method of verifying required learning outcomes						
Required courses and introductory requirements						
A. Formal requirements						
B. Prerequisites Communicative English skills; Ability to use MS Excel spreadsheet for simple calculations and any program for the presentation of results and ideas						
(e.g. MS PowerPoint).						
Aims of education						
To familiarize students with the issues listed in the course content; To acquaint students with the assumptions of the knowledge-based economy; To acquaint students with intellectual and industrial property issues; To acquaint students with the problems and formal issues of patent applications; Acquaintance with the principles of cooperation within the research group; Acquainting with problems of financing of research projects; The criteria for selecting the innovative research results for further funding targeted for implementation; Acquainting with the criteria for assessing the commercial potential of the project; Acquainting with the way of presenting the results of scientific research; Acquainting with the method of preparing research plan and its commercialization. Acquaintance with the project management in the organization.						

Course contents

Basic concepts of commercialization and the research and development sector; Models and examples of commercialization; Stages of commercialization of innovative research; Knowledge-based economy; Financing research and scientific implementations; Patent law and patents; Marketing in science. Diagnosis of the situation in Poland in the R&D sector; Managerial competence; Management of scientific research and development.

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Bibliography of literature

Literature required to pass the course

A.1. Used during meetings

1. Original materials presented during lectures, prepared on the basis of the resources of the "Competence for Science and Business Cooperation", the project financed by the European Union under the European Social Funds (EU/ESF, 2012).

2. Problem issues, delivered in electronic form by the teacher necessary to complete the final thesis.

A.2. Extracurricular/additional readings

1. Nidzworski D., Kuźbicki M., Kowalczyk I., Matusiak K., Przybyłowski M., Kipiel K., Muzalewska M., Ciesielski S., "Bio Bussines School - Guide to the commercialization of research results from the life science industry", Chroma Publishing House, Gdańsk, Poland, 2010.

2. S. Łobejko, A. Sosnowska (ed.), "Commercialization of scientific research results. A practical guide for scientists", a collective work financed by the EU / EFZ, published by the Marshal's Office of the Mazowieckie Voivodeship, Warsaw, Poland 2013.

The learning outcomes (for the field of study and	Knowledge		
specialization)	Student describes stages of commercialization; Knows the mechanisms and models of commercialization; Identifies and recognizes recent market features; Knows basic requirements for patent application; Distinguishes between types of intellectual property; Knows the sources of financing of research projects; Understands the principles of cooperation in research team and effective communication in the group. Knows and understands Belbin's theory of individual roles in a group		
	Skills		
	Social competence		
Contact			

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