University of Gdańsk

Subject card

Subject name and code	Commercialization of research results (Lecture), PG_00201218						
Field of study	Physical geography and geoinformation						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Master's studies		Subject group	Obligatory subject group in the field of study Humanistic-social subject group			
Mode of study	full-time studies		Mode of delivery	at the university			
Year of study	2		Language of instruction	Polish			
Semester of study	4		ECTS credits	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr Karol Śledzik				
	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		2.0		33.0	50
Subject objectives	1. Getting to know the concepts of innovation and commercialization in scientific research.2. Indication of methods of commercialization of scientific research results and the benefits derived from them						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GFGMU2_K03] is prepared to fulfil professional responsibilities in both independent and team-based work by advancing the field of geography, upholding the profession’s ethos, adhering to and developing the principles of professional ethics, and ensuring compliance with these principles	accepting responsibility for working in a group by assuming various roles, participating in the preparation of scientific projects, accepting responsibility for the entrusted equipment and work safety, actively expanding professional competences and updating knowledge in Earth and environmental sciences and geoinformation, enriching them with an interdisciplinary dimension, as well as observing and developing the principles of professional ethics, including compliance with copyright in one's own and other people's activities	[SK4] test/exam - oral or written
[GFGMU2_W07] knows the legal, social, and ethical principles governing scientific research and the contexts in which they carry out their professional activities, as well as the general principles of establishing and developing different forms of entrepreneurship and the principles of copyright protection.	organizational structure of science, legal and economic principles of its functioning, general principles of creating and developing forms of individual entrepreneurship using knowledge in the field of physical geography and geoinformation	[SW1] oral statement/ conversation/discussion
[GFGMU2_K01] is able to behave appropriately in the workplace and in everyday life by critically evaluating information received in the light of their existing knowledge, recognising the importance of knowledge in solving cognitive and practical problems, and, when faced with difficulties, drawing on expert knowledge	critical assessment of your knowledge in the field of Earth and environmental sciences and geoinformation, its supplementation and verification by critical reading of the literature	[SK4] test/exam - oral or written
[GFGMU2_U03] is able to use academic literature in the fields of physical geography and geoinformation in Polish and English, selecting it appropriately for the research objective	effectively use carefully selected scientific literature in the field of physical geography and geoinformation, both in Polish and English	[SU4] test/exam - oral or written
[GFGMU2_U02] is able to precisely and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works	fluently and appropriately use terminology in the field of physical geography and geoinformation in oral statements and written works	[SU4] test/exam - oral or written

Subject contents

Topics of the lecture1. Innovation and commercialization in scientific research.

2. Ways of commercializing research results.

3. Legal and financial aspects of commercialization of research results.

4. Technology Transfer Center and its tasks.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
	50.0%	100.0%

Recommended reading	Basic literature	Urmański J., 2016, Komercjalizacja wyników badań. Spojrzenie inwestorów i naukowców. NCBiR, https://www.ncbr.gov.pl/fileadmin/user_upload/import/other/raport_komercjalizacja_badan_2016.pdf Stec, Piotr. *Komercjalizacja wyników badań naukowych*. Wolters Kluwer, 2017. Kuśmierz, Andrzej, and Nikolay Kirov. "Komercjalizacja wyników badań naukowych: jak to robią inni?." *Master of Business Administration* 18, no. 1 (2010): 102-115. Trzmielak, Dariusz. *Komercjalizacja wiedzy i technologii-determinanty i strategie*. Wydawnictwo Uniwersytetu Łódzkiego, 2013.
	Supplementary literature	Komercjalizacja wyników badań naukowych, Centrum Transferu Technologii UMK, https://www.ctt.umk.pl/kompendium/komercjalizacja-wynikow-badan-naukowych-praktyczny-poradnik-dla-naukowcow-skrypt/
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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