

Subject card

Subject name and code	Elements of entrepreneurship, PG_00182308						
Field of study	Physics						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2027/2028	
Education level	Bachelor'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 Ewa Ignaciuk				
	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		0.0		35.0	50
Subject objectives	To provide basic knowledge and skills to function effectively in a business environment and to develop an entrepreneurial attitude. Basic preparation for self-employment. Preparing for further education in entrepreneurship						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[FIZL3_W17] knows the general principles of creating and developing forms of individual entrepreneurship using knowledge of physics and other exact sciences		Student has a general knowledge of business registration in Poland and entering the labour market			[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report	
	[FIZL3_K08] can think and act in an entrepreneurial way		Student is able to identify and evaluate business opportunities and undertake initiatives that require an entrepreneurial mindset, taking into account risk and market realities.			[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report	
	[FIZL3_W16] knows and understands the concepts and principles of industrial property protection and copyright as well as the principles of using patent information resources		Student understands and appreciates the importance of intellectual integrity in all activities that are a manifestation of individual entrepreneurship			[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report	
Subject contents	The concept of entrepreneurship and the characteristics of an entrepreneurial person Registered activity Unregistered activity Forms of employment Conclusion of an employment contract Establishment of an employment relationship Working hours Rest leave Management styles						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Individual and group work in the classroom	51.0%	40.0%
	Performance of assignment, project or presentation	51.0%	60.0%
Recommended reading	Basic literature	1. <i>Przedsiębiorczość i zarządzanie innowacjami. Wiedza, technologia, konkurencja, przedsiębiorstwo</i> , red. Z. Makiela, M. Struss, Wydawnictwo C.H. Beck, Warszawa 2018 2. Glinka B., Gudkova S., <i>Przedsiębiorczość</i> , Oficyna a Wolters Kluwer business, Warszawa 2011 3. Matejun M., <i>Zarządzanie małą i średnią firmą w teorii i ćwiczeniach</i> , Difin, Warszawa 2012 4. Mućko P., Sokół A., <i>Jak założyć i prowadzić działalność gospodarczą w Polsce i w wybranych krajach europejskich</i> , Warszawa 2018	
	Supplementary literature	1. Drucker P., <i>Innowacja i przedsiębiorczość. Praktyka z zasady</i> , PWE, Warszawa 1992 2. Ignaciuk E., <i>Umowy cywilnoprawne a bezpieczeństwo podmiotów rynku pracy</i> , [w:] <i>Zachowania rynkowe przedsiębiorstw w teorii i praktyce gospodarczej</i> , pod red. B. Majeckiej i M. Jarockiej, Polskie Towarzystwo Ekonomiczne, 154-169 3. Ignaciuk E., Machowska-Okrój S., <i>Przedsiębiorczość jako czynnik rozwoju społeczno-gospodarczego</i> , "Zeszyty Naukowe Uniwersytetu Gdańskiego, Studia i Materiały Instytutu Transportu i Handlu Morskiego", 2016, nr 13, s.171-192 4. Ignaciuk E., Kiwak W., <i>Spółecznoekonomiczne konsekwencje naruszania równowagi między pracą i życiem osobistym</i> , [w:] <i>Bezpieczeństwo zdrowotne ujęcie interdyscyplinarne</i> , pod red. I. Babetsa i H. Marka, Wydawnictwo Wyższej Szkoły Bezpieczeństwa, Poznań 2016, s.37-47 5. Harvard Business Review Polska 6. Forbes 7. Gazeta Prawna	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The concept of entrepreneurship and the characteristics of an entrepreneurial person Registered activity Unregistered activity Forms of employment Conclusion of an employment contract Establishment of an employment relationship Working hours Rest leave Management styles		
Work placement	Not applicable		

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