



Subject card

Subject name and code	Economic environment, PG_00063341						
Field of study	Nanotechnology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Humanistic-social subject group		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Marek Augustyniak				
	Teachers		dr inż. Marek Augustyniak				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	15.0	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		8.0	25
Subject objectives	<p>The course is intended to make professional prospects of Nanotechnology more realistic in the eyes of students. The idea is to encourage participants to ask themselves basic questions about choosing a career path (academic or commercial) and to learn about the experiences of people who have chosen one of these paths, with particular emphasis on the specificity of work in engineering companies.</p> <p>An important part of the subject is the discussion and joint reflection on current economic and social problems resulting from, among others, the globalization and commercialization of a growing number of sectors, as well as the IT/information revolution, symbolized by the universality of electronic and "intelligent" information sources, with a simultaneous decrease in the role of paper-based, durable sources.</p>						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W71] has general knowledge in humanistic, social, economic or legal sciences		The student acquires general knowledge in the field of humanities or social sciences or economics or law		[SW1] Assessment of factual knowledge		
	[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment		The student is able to apply knowledge from the humanities or social sciences or economics or law to solve problems in the social environment.		[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment		The student gains awareness of the need to use knowledge from the humanities or social or economic or legal sciences in functioning in a social environment		[SK2] Assessment of progress of work		
Subject contents	The series of meetings with students is a combination of various ways of transmitting experiences, such as:- transfer by the instructors of experiences and reflections taken from their own professional activity (academic and commercial)- transfer of graduates' experiences, including: in the form of MP3 or MP4 recordings with people who have completed the field of Materials Engineering- inviting people from the economic environment to a live meeting (at least online)- if possible: organizing a visit to the selected company- a simulation game in which students confront difficult (ethically, technically) situations taken from the real life of companies						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Class engagement	60.0%	100.0%
Recommended reading	Basic literature	None	
	Supplementary literature	None	
	eResources addresses	Adresy na platformie eNauczenie: Otoczenie gospodarcze - Moodle ID: 45037 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=45037	
Example issues/ example questions/ tasks being completed	@ Presentation "Alice on the other side of the diploma, or how to prepare for the profession of an engineer" @ Results of the survey "upsides and downsides of a scientist's life" @ Meeting with an engineer, a specialist in finite element modeling @ Simulation game - "Ethics in the company" @ Films from the "Meeting with the Graduate" series @ Discussions concerning topics such as globalisation (including that of medical industry, and the "research production" industry), economic patriotism, fair distribution of profits		
Work placement	Not applicable		

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