



Subject card

Subject name and code	, PG_00050062						
Field of study	Materials Engineering, Materials Engineering, Materials Engineering						
Date of commencement of studies	October 2021	Academic year of realisation of subject	2024/2025				
Education level	first-cycle studies	Subject group	Optional subject group				
Mode of study	Full-time studies	Mode of delivery	at the university				
Year of study	4	Language of instruction	Polish				
Semester of study	7	ECTS credits	15.0				
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 Teachers	dr inż. Marek Augustyniak dr hab. inż. Agnieszka Witkowska dr inż. Artur Sitko dr hab. inż. Natalia Wójcik dr hab. inż. Aleksandra Mielewczyk-Gryń prof. dr hab. inż. Tomasz Klimczuk dr hab. inż. Jacek Ryl					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	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	30	20.0		325.0	375	
Subject objectives	The aim of the subject is to prepare an engineering diploma thesis. The work can be experimental, theoretical, computational (numerical simulations) or have the character of a literature review. In all cases, the student must submit a written study in the form of a diploma thesis.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K6_U11	The student recognizes the applied, environmental and economic aspects related to the implemented diploma project. Complies with the health and safety rules in during the tasks realization in the research laboratory and during the preparation of a diploma thesis.	[SU3] Assessment of ability to use knowledge gained from the subject
	K6_U09	The student has the ability to prepare an oral presentation and conduct a discussion, in Polish, on the issues studied and analyzed in the diploma project.	[SU5] Assessment of ability to present the results of task
	K6_K02	By implementing the diploma project, the student acquires the ability to think independently and creatively, make a proper conclusions and take appropriate actions.	[SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice
	K6_W07	The student acquires detailed knowledge in the frame of the subject of their diploma project.	[SW3] Assessment of knowledge contained in written work and projects
K6_U07	Preparing for the research activities and developing the project topic (introductory part of the thesis, discussion of the results) the student acquires the ability to search scientific databases and literature databases (mainly in English), select proper sources and obtain information relevant to the diploma project.	[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task	
Subject contents	Content determined by the supervisor. Information on the topics of work for a given academic year can be found in the moja.pg system		
Prerequisites and co-requisites	Completed courses determined by the supervisor, in line with the field of study.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The rating is in line with the evaluation form	50.0%	100.0%
Recommended reading	Basic literature	Literature determined by supervisor.	
	Supplementary literature	Literature determined by supervisor.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	The issues are given each time by the supervisor.		
Work placement	Not applicable		

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