



Subject card

Subject name and code	Diploma seminar, PG_00031973						
Field of study	Technical Physics						
Date of commencement of studies	February 2023	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Theoretical Physics and Quantum Information -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Marta Łabuda				
	Teachers		dr hab. inż. Marta Łabuda				
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	30.0	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		4.0		16.0	50
Subject objectives	Students learn to prepare a thesis, to present its case and to lead the discussion.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_U01] Can learn independently, obtain and integrate information from literature, databases and other properly selected sources (in Polish and English). Can critically analyze and select information. Can use patent information resources.	A student presents his progress in the light of his own involvement in the topic and methods of the diploma work	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K7_K05] Can communicate and present results of own work and transfer information in a commonly understandable manner.	A student prepares two presentations during the semester, prepares responses to questions from the list, and participates in the discussion.	[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills [SK4] Assessment of communication skills, including language correctness [SK2] Assessment of progress of work
	[K7_U10] Can determine interests related to the field of study and develop them.	A student actively participates in the discussion on other representations, asks questions and advises on the implementation.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K7_U07] Has enhanced skill of preparing speeches in Polish and English, including presentation of own research results.	A student presents the results of his work in a concise manner on a regular basis.	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
[K7_W02] Has enhanced, theoretically-founded, detailed knowledge of selected field of physics, and sufficient knowledge of related fields of science or technology.	A student demonstrates basic knowledge of physics and mathematics.	[SW1] Assessment of factual knowledge	
Subject contents	Seminar about the way to prepare engineering project - from the specification, theoretical analysis to the presentation. Presentation of methods used in processing research results, forms and styles used in thesis edition and preparing a complete audio-visual presentation.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Essay	50.0%	100.0%
Recommended reading	Basic literature	Determined individually	
	Supplementary literature	Determined individually	
	eResources addresses	Adresy na platformie eNauzanie: Seminarium dyplomowe IS - Moodle ID: 38434 https://enauzanie.pg.edu.pl/moodle/course/view.php?id=38434	
Example issues/ example questions/ tasks being completed	1 Lecture 10 min. - Introduction, to work, to specify known examples, showing understanding of the subject 2 Provide and discuss the planned work table of contents 3 Delivery of the first version of the chapter work, containing the target thesis discussed 4 Lecture 15 min. - Presentation of the methods used, and mathematical tools 5 Delivery of the first version of the chapter work, discussing the methods used to solve a given problem 6 Lecture 10 min. - Presentation of the results 7 Delivery of the first version of the complete dissertation		
Work placement	Not applicable		