



Subject card

Subject name and code	Diploma seminar, PG_00062765								
Field of study	Technologies for Industry 5.0								
Date of commencement of studies	October 2026	Academic year of realisation of subject		2029/2030					
Education level	first-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	4		Language of instruction		Polish				
Semester of study	7		ECTS credits		2.0				
Learning profile	general academic profile		Assessment form		assessment				
Conducting unit	Department of Functional Materials Engineering -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology								
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Piotr Jasiński						
	Teachers								
Lesson types	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		33.0	50		
Subject objectives	Preparation for the realization and defense of the thesis. Acquainting with elements of scientific methodology.								
Learning outcomes	Course outcome		Subject outcome		Method of verification				
	[K6_K82] is equipped to participate in lectures, seminars and laboratory classes conducted in foreign language		The student is able to correctly use English-language sources and use technical vocabulary in the field of Industry Technology 5.0		[SK4] Assessment of communication skills, including language correctness				
	[K6_K02] makes decisions independently, carries out a critical assessment of own actions and actions of managed teams, is ready to make decisions and accept responsibility for the consequences of these actions		The student is able to synthetically present the basic assumptions regarding the implementation of the diploma thesis, describe the obtained results and the problems encountered		[SK4] Assessment of communication skills, including language correctness [SK2] Assessment of progress of work				
	[K6_U03] has the ability to plan, prepare and carry out engineering activities using practical knowledge and understanding of the specificity of materials, devices and tools, processes and technologies, and prepare a substantive report		The student is able to correctly identify the research problem, formulate a hypothesis, select tools that allow for its verification, confirmation and refutation. Is able to prepare a research report		[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task				

Subject contents	<p>Course content – seminar Analysis of the faculty diploma regulations.</p> <p>Elements of the methodology of preparing the thesis: selection of the subject and topic of the thesis, work schedulethesis, analysis of the state of knowledge in the subject of the diploma, literature review, work layout, main chapters.purpose of the work, conclusions, references, cost estimate of experimental research, editorial elements of the work: text, results calculation, charts, measurement errors.</p> <p>Presentation of the general subject of the work, literature review.</p> <p>Discussion of the results of own research.Presentation of the main results of the thesis.</p> <p>Critical analysis of the thesis text.</p> <p>Elements of the public presentation of work results. Preparation of the presentation for the defense of the thesis.</p> <p>Presentation of typical questions for the defense of a thesis</p>									
Prerequisites and co-requisites	Passed subjects from previous semesters									
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="449 911 790 938">Subject passing criteria</th><th data-bbox="790 911 1132 938">Passing threshold</th><th data-bbox="1132 911 1478 938">Percentage of the final grade</th></tr> </thead> <tbody> <tr> <td data-bbox="449 938 790 990">presentation of the scope of the work</td><td data-bbox="790 938 1132 990">100.0%</td><td data-bbox="1132 938 1478 990">50.0%</td></tr> <tr> <td data-bbox="449 990 790 1017">presentation of own results</td><td data-bbox="790 990 1132 1017">100.0%</td><td data-bbox="1132 990 1478 1017">50.0%</td></tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	presentation of the scope of the work	100.0%	50.0%	presentation of own results	100.0%	50.0%
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Recommended reading	<table border="1"> <tr> <td data-bbox="449 1046 790 1096">Basic literature</td><td data-bbox="790 1046 1478 1096">Scientific Method in Practice. Hugh G. Gauch Jr. Cambridge University Press (December 23, 2002). ISBN-13: 978-0521017084</td></tr> <tr> <td data-bbox="449 1096 790 1123">Supplementary literature</td><td data-bbox="790 1096 1478 1123">Scientific literature, articles in JCR journals on the subject of thesis</td></tr> <tr> <td data-bbox="449 1123 790 1149">eResources addresses</td><td data-bbox="790 1123 1478 1149"></td></tr> </table>	Basic literature	Scientific Method in Practice. Hugh G. Gauch Jr. Cambridge University Press (December 23, 2002). ISBN-13: 978-0521017084	Supplementary literature	Scientific literature, articles in JCR journals on the subject of thesis	eResources addresses				
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Example issues/ example questions/ tasks being completed	<p>What is the purpose of the research being conducted?</p> <p>What are the research hypotheses?</p>									
Practical activites within the subject	Not applicable									

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