GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Diploma seminar, PG_00055265		
Field of study	Management and Production Engineering		
Date of commencement of studies	October 2023	Academic year of realisation of subject	2026/2027
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	4.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Division of Manufacturing and Production Engineering -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. inż. Mariusz Deja	
	Teachers	prof. dr hab. inż. Mariusz Deja	

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

eNauczanie source addresses:

Moodle ID: 8850 Seminarium dyplomowe (PG_00055265) ZiIP, 2026/2027, s. zimowy
https://enauczanie.pg.edu.pl/2025/course/view.php?id=8850

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	36.0	49.0	100

Subject objectives

Preparing students to independently solve complex design tasks, technological, operational, organizational, experimental research or creative study and using knowledge and expertise.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K01] feels the need for self-realization by learning throughout life, is looking for modern and innovative solutions in their actions, is able to think creatively and act in an entrepreneurial way	Taking into account economically justified solutions	[SK4] Assessment of communication skills, including language correctness
[K6_U04] is able to develop documentation in the area of preparation, implementation and control of production processes in Polish and in a foreign language considered basic for scientific fields, is able to identify and formulate the basic objectives of quality management in the product life cycle, is able to use information and communication techniques appropriate to the implementation of tasks typical in engineering activities including preparation, production and supervision of the manufacturing process	Using IT tools in Polish and foreign languages used in production engineering	[SU1] Assessment of task fulfilment
[K6_U07] is able to conduct a preliminary economical analysis of undertaken engineering activities, is able to can conduct a critical analysis and evaluation of existing production processes and courses of selected sections of manufacturing systems, is able to identify the needs of the application of technical solutions for automation and / or robotization production stations and formulate the specifications of the resulting benefits and limitations	Economic analysis of the proposed solutions	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_U01] can find the necessary information in professional literature, databases and other sources, knows basic scientific and technical journals in the field of production management, quality and operation management, can integrate the obtained information, formulate conclusions and justify opinions	Critical analysis of the literature related to the subject of the thesis	[SU4] Assessment of ability to use methods and tools
[K6_U05] is able to prepare and present a presentation on the results of analysis of the tasks in the area of production engineering, is able to plan and carry out experiments, measurements, computer simulations and analyses and interpret the results and draw conclusions is able to use analytical methods, simulation and experiments for formulating and solving problems associated with production engineering	Preparation of the presentation	[SU5] Assessment of ability to present the results of task

Subject contents

Course content – seminar

Oral presentation for a given topic, related to the diploma work. Written elaboration of the presentation.

Prerequisites and co-requisites

Knowledge and skills gained on a given branch of studies.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Active participation during the seminar	60.0%	20.0%
Seminar/diploma dissertation	60.0%	80.0%

Recommended reading	Basic literature	Literature adequate for realisation of individual diploma Regulations of the Rector of the Gdańsk University of Technology No 17/2014 from 1 April 2014, on: implementation of the guidelines and editorial requirements for authors thesis or diploma projects carried out at the Gdansk University of Technology
	Supplementary literature	Literature adequate for realisation of individual diploma
	eResources addresses	
Example issues/ example questions/ tasks being completed	Presentation of the thesis and the abstract	
Practical activites within the subject	Not applicable	

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