



Subject card

Subject name and code	Engineering diploma project, PG_00055776						
Field of study	Mechanical and Medical 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		16.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division of Applied Mechanics and Biomechanics -> Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Wiktoria Wojnicz				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		25.0		375.0	400
Subject objectives	The Student has to develop the engineering diploma project by considering an aim and the scope given by the Supervisor of the diploma project						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U07] he/she is able to identify the problem and list simple engineering tasks to solve this problem in practice, he/she is able to critically analyze the proposed technical solutions and conclude whether these solutions can be implemented to solve problems related to design of mechanical devices and mechanical-medical devices	The Student develops the solution of the given complex problem by treating it as a composition of simpler engineering tasks. Next, the Student chooses the methods that should be applied to solve these tasks by considering acquired knowledge related to the function and design of mechanical and mechanical-medical systems and devices.	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
	[K6_K01] he/she knows his/her proficiencies and his/her limitations in performing professional tasks, he/she is aware of needing to improve his/her skills through the whole life, he/she has entrepreneurship and innovation skills, he/she is aware of engineering skills from the society point of view	The student develops the solution of the given complex problem by given hindes and limitations that might appeared in numerical analysis, design and experimental testing.	[SK5] Assessment of ability to solve problems that arise in practice [SK3] Assessment of ability to organize work
	[K6_U01] he/she is able to acquire knowledge and self-studying, he/she is able to find needed information in specialist books, databases and other sources, he/she is able to integrate information and draw conclusions, he/she is able to communicate by using different technics in work and outside	The student solves the given complex problem and analyses developed solutions by considering results of literature research obtained from specialistic literature, databases and other sources of knowledge along with technics used in the occupational environment	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information
	[K6_U08] he/she is able to assess whether proposed methods and tools can be used in practice to solve simple engineering task related to machine design, manufacturing and utilization	The Student chooses proper methods and engineering tools (in the scope of design, manufacturing and machine utilization) to solve a composition of formulated simpler engineering tasks	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K6_U02] he/she is able to prepare design and technology documentations, present results of engineering tasks in Polish and English	The Student prepares a proper documentation (design, technological, etc.) and presents results of the solution of the given complex problem in Polish and Foreign language.	[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment
Subject contents			
Prerequisites and co-requisites	Registration for diploma semester		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Evalutaion of the project	55.0%	100.0%
Recommended reading	Basic literature	Literature appropriate and related to the subject matter of the thesis.	
	Supplementary literature	Literature appropriate and related to the subject matter of the thesis.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The list of topics for diploma exam is available at he Faculty website		
Practical activites within the subject	Not applicable		

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