



Subject card

Subject name and code	Engineering diploma project, PG_00055776						
Field of study	Mechanical and Medical 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		16.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Szymon Grymek				
	Teachers						
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	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	Preparation by the student of an engineering diploma project with a topic and scope defined by the thesissupervisor.						

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	Student prepares an engineering diploma project. He is able to identify and formulate a specification of simple engineering tasks of a practical nature.	[SU1] Assessment of task fulfilment
	[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	Student performs, using appropriate methods and tools necessary calculations, research, analysis and comparison in order to solve a practical engineering task.	[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject
	[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	Student prepares a critical review of literature and solutions related to the topic of the work using publications in Polish or a foreign language.	[SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task
	[K6_U02] he/she is able to prepare design and technology documentations, present results of engineering tasks in Polish and English	Student independently prepares an engineering diploma project in accordance with formal and editorial guidelines.	[SU5] Assessment of ability to present the results of task
	[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	Student independently prepares an engineering diploma project with the aim of its innovation and usefulness.	[SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice
Subject contents	Realization of the work under the supervision of a supervisor in accordance with the defined scope and topic. Editorial preparation of the content of the work for its publication. Consultation of the project with the supervisor and, if necessary, other experts. Preparation of a multimedia presentation.		
Prerequisites and co-requisites	Registration for the diploma semester.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The engineering diploma project	51.0%	100.0%
Recommended reading	Basic literature	Literature consistent with the topic of the work.	
	Supplementary literature	Literature consistent with the topic of the work.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Current list of questions for the diploma examination, appropriate for a given specialization, is available on the Faculty's website.		
Work placement	Not applicable		

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