



Subject card

Subject name and code	Engineering Diploma Project, PG_00055525						
Field of study	Mechanical 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. Piotr Mioduszewski				
	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	Independent preparation by the student of an engineering diploma project with a topic and scope defined by the thesis supervisor.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U08] is able to design a technological manufacturing process for typical elements of machines or devices, using analytical and numerical calculating tools		The student independently designs a technological process consistent with the topic of the diploma thesis. Performs appropriate calculations and prepares design documentation for the technological process in question using appropriate methods and tools.		[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools		
	[K6_U03] is able to identify, formulate and develop the documentation of a simple design or technological task, including the description of the results of this task in Polish or in a foreign language and to present the results using computer software or other aiding tools		The student prepares technical documentation of a design task consistent with the topic of the diploma thesis. Describes the results of this task and presents them in the form of e.g., multimedia presentation.		[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task		
	[K6_U09] is able to plan the manufacturing, assembly and quality control processes of typical constructions and mechanical devices, estimating their costs		The student independently prepares a plan for the manufacturing, assembly and quality control process consistent with the topic of the diploma thesis. Determines the costs of this process.		[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task		
	[K6_U07] is able to design a typical construction of a mechanical device, component or a testing station using appropriate methods and tools, adhering to the set usage criteria		The student independently prepares a diploma project. Performs the necessary calculations and prepares design documentation for the selected structure, mechanical device, component or test stand.		[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools		

Subject contents	1. Defining the problem.		
	2. Analyzing the current state of knowledge on the diploma project.		
	3. Solving engineering tasks using current general and specialist knowledge.		
	4. Using modern engineering tools, including computer techniques, to solve engineering problems.		
	5. Presentation of results and conclusions.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Reviewer's opinion	50.0%	50.0%
	Supervisor's opinion	50.0%	50.0%
Recommended reading	Basic literature	Literature consistent with the topic of the engineering diploma thesis.	
	Supplementary literature	University and faculty regulations regarding diploma theses.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Current lists of diploma examination questions appropriate to a given specialization are available on the Faculty's website.		
Work placement	Not applicable		

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