



Subject card

Subject name and code	First Degree Final Project, PG_00042081						
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					
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			18.0		
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	10.0		240.0		250
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_U07	The student is able to design a typical structure of a mechanical device, component or test stand using appropriate methods and tools.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	K6_U01	The student is able to present the current state of knowledge in the field related to the topic of the diploma and critically analyze existing information on this topic.			[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
	[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 is able to identify, formulate and develop documentation of a simple design or technological task. The student is able to describe the results of this task and present them in the form of, e.g., a multimedia presentation.			[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment		
	K6_U09	The student is able to plan the process of manufacturing, assembly and quality control of typical mechanical structures and devices, estimating its costs.			[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
	K6_U08	The student is able to design the technological process of manufacturing typical machine and device components using appropriately selected computational tools.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		

Subject contents	<p>1. Defining the problem.</p> <p>2. Analyzing the current state of knowledge on the diploma project.</p> <p>3. Solving engineering tasks using current general and specialist knowledge.</p> <p>4. Using modern engineering tools, including computer techniques, to solve engineering problems.</p> <p>5. Presentation of results and conclusions.</p>		
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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