



## Subject card

Subject name and code	BSc Diploma Project, PG_00055510						
Field of study	Mechatronics						
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 Subject group related to scientific research in the field of study		
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. Ryszard Jasiński				
	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 thesis supervisor						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U06] is able to identify and formulate specification of simple, practical engineering tasks, distinctive for mechatronics		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_U03] has self-learning skills		The student independently prepares an engineering diploma project using various sources, e.g. obtaining the necessary information from the literature.		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools		
	[K6_U01] is able to acquire information from literature, databases and other, properly chosen sources, integrate these information, interpret them, draw conclusions and formulate opinions		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_U08] is able - according to a given specification - design, calculate costs and develop a simple device, object, system or process typical for mechatronics, using appropriate methods, techniques and tools		Student prepares a diploma project. Organizes the design work of a device, object, system or process typical of mechatronics.		[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	[K6_U11] is able to evaluate usefulness of methods and tools to solve simple, practical engineering task, distinctive for mechatronics and is able to choose the proper method and tools		Student performs, using appropriate methods and tools necessary calculations, research, analysis and comparison in order to solve a practical engineering task.		[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
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
	Evaluation of the engineering diploma project	56.0%	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 lists of questions for the diploma examination, appropriate for a given specialization, are available on the Faculty's website.		
Work placement	Not applicable		

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