



Subject card

Subject name and code	, PG_00066256						
Field of study	Mechanical and Medical Engineering						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2024/2025		
Education level	second-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		6.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Magdalena Jażdżewska				
	Teachers		dr inż. Magdalena Jażdżewska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	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	60		0.0		0.0	60
Subject objectives	Getting to know the structure and principles of operation of measuring equipment used to test the properties of biomaterials.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W04] He/she has in-depth knowledge related to the construction and utilization of machines used mechanical-medical engineering		The student has knowledge of the research equipment used in accordance with the requirements that a given medical biomaterial should meet.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_W09] He/she in-depth knowledge related to diagnosis techniques and medical procedures in the scope of the field of study of mechanical-medical engineering		The student has knowledge of research methods and medical procedures within the scope of the field of study being pursued.		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Construction of selected measuring devices.Principle of operation of measuring devices.Use of specific devices to assess selected properties.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Report of the completed tasks.		60.0%		100.0%		
Recommended reading	Basic literature		Current scientific publications from renowned journals such as Acta Biomaterialia.				
	Supplementary literature		Current scientific publications from renowned journals such as Acta Biomaterialia.				
	eResources addresses		Adresy na platformie eNauczanie:				

Example issues/ example questions/ tasks being completed	Construction of selected measuring devices.Principle of operation of measuring devices.Preparation of a research plan for the selected biomaterial using the known measuring equipment.
Work placement	Not applicable

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