GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	, PG_00066259		
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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	4.0
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		

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	0.0	0.0	45.0	0.0	0.0	45

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	45	0.0	0.0	45

Subject objectives

The aim of the course is to familiarize the student with the presentation and analysis of obtained research results.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U04] He/she can use programming-communicative techniques concerning to the scope of engineering tasks	The student can use computer programs to develop research results.	[SU1] Assessment of task fulfilment
[K7_W01] He/she has broad knowledge referring to the high level math to solve numerical problems and tasks related to planning and to work out results of research in the scope of the field of study of mechanical-medical engineering	The student is able to use analytical methods, including statistical methods, in developing the results of scientific research.	[SW3] Assessment of knowledge contained in written work and projects
[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad	The student can co-conduct scientific research within the framework of international cooperation.	[SK4] Assessment of communication skills, including language correctness
[K7_U06] He/she uses analytical engineering, numerical and experimental methods to state and solve the tasks	The student can choose the appropriate ones analytical methods necessary to experimenting and processing research results.	[SU1] Assessment of task fulfilment

Subject contents

During the course, students will become familiar with the organization of data (verification of their completeness), the application of statistical methods (student's t-tests, analysis of variance (ANOVA), using Microsoft Office programs for the statistical analysis of the obtained research results, clear presentation of research results (tables, charts, graphics), and drawing conclusions related to the literature.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Written report.	56.0%	100.0%

Recommended reading	Basic literature	Current scientific publications from renowned journals such as Acta Biomaterialia. Jóźwiak J., Statystyka od podstaw, Polskie Wydawnictwo Ekonomiczne
	Supplementary literature	Not applicable.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Mathematical methods in the analysis of results.Computer methods in the analysis of results.Statistical methods in the development of research results.	
Work placement	Not applicable	

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