

关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

Subject card

Subject name and code	TECHNICAL PHYSICS, PG_00061442							
Field of study	Engineering Manager	ment						
Date of commencement of studies	October 2024		Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study		
Mode of study	Part-time studies (on-line)		Mode of delivery			blended-learning		
Year of study	1		Language of instruction			Polish		
Semester of study	2		ECTS credits			6.0		
Learning profile	general academic profile		Assessment form			exam		
Conducting unit	Zakład Spektroskopii Układów Złożonych -> Instytut Fizyki i Informatyki Stosowanej -> Faculty of Applied Physics and Mathematics						of Applied	
Name and surname	Subject supervisor		dr inż. Ewa Erdmann					
of lecturer (lecturers)	Teachers							
Lesson types and methods	Lesson type	Lecture Tutor		Laboratory Project		t Seminar		SUM
of instruction	Number of study hours	16.0	0.0	16.0	0.0	0.0		32
	E-learning hours inclu	uded: 24.0						
Learning activity and number of study hours	Learning activity Participation ir classes includ plan			Participation in consultation hours		Self-study		SUM
	Number of study 32 hours			7.0		111.0		150
Subject objectives	Interprets physical phenomena in an advanced way, using properly selected analytical and empirical methods							
Learning outcomes	Course out	Subject outcome			Method of verification			
	[K6_W02] demonstrates advanced preparation in the methods and techniques of formulating and solving problems		demonstrates preparation for formulating and solving problems, based on advanced knowledge of physical phenomena			[SW1] Assessment of factual knowledge		
	[K6_U04] formulates logical solutions to complex or unstructured problems		formulates correct conclusions based on the analysis of complex physical phenomena			[SU3] Assessment of ability to use knowledge gained from the subject		
Subject contents	Mechanics Optics Warm Vibrating and wave motion Statistical physics Atomic physics Nuclear physics Quantum mechanics							
Prerequisites and co-requisites								
Assessment methods	Subject passing criteria		Passing threshold			Percentage of the final grade		
and criteria	laboratories		50.0%			50.0%		
	final exam		50.0%		50.0%			
Recommended reading	Basic literature		D. Halliday, R. Resnick and J. Walker, Podtsawy fizyki, PWN tom 1-5 Feynmana Wykłady z Fiizyki, PWN Warszawa J. Orear, Fizyka, WNT, Tom 1 i 2					
	Paul G. Hewitt, Fizyka wokół nas, P I. W. Sawieliew, Wykłady z Fizyki, F							
	Supplementary literature		Paul G. Hewitt, Fizyka wokół nas, PWN Warszawa I. W. Sawieliew, Wykłady z Fizyki, PWN, Tom 1-3					
	eResources addresse	Adresy na platformie eNauczanie:						
Data wydruku: 30.06.2024						Strong	1 - 2	

Example issues/ example questions/ tasks being completed	The laws of classical mechanics
Work placement	Not applicable