

Subject card

Subject name and code	Analysis of Experimental Data II, PG_00153897						
Field of study	Physics						
Date of commencement of studies	October 2024		Academic year of realisation of subject			2024/2025	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	1		Language of instruction			Polish not applicable	
Semester of study	2		ECTS credits			2.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Marek Józefowicz				
	Teachers		dr hab. Marek Józefowicz dr Łukasz Sobolewski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	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	30		0.0		25.0	55
Subject objectives	not applicable						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZL3_W03] knows how to plan and perform a simple physical experiment and analyze the results obtained; knows the elements of the theory of measurement uncertainty as applied to physical experiments, knows the basic units of the SI system and its most important derived units; knows other systems of measurement units	not applicable	[SW2] presentation/project/paper/report [SW3] text preparation/written work
	[FIZL3_U02] has the ability to perform measurements of basic physical quantities; can develop, describe and present the results of simple physical experiments and computer simulations; can perform quantitative analyses and formulate qualitative conclusions on this basis; can estimate measurement uncertainties	not applicable	[SU2] presentation/project/paper/report [SU3] text preparation/written work
	[FIZL3_W12] knows the basics of numerical analysis, knows at a basic level at least one package for symbolic calculations, knows basic application software packages for presentation of results and data analysis; knows the basics of programming and software engineering	not applicable	[SW2] presentation/project/paper/report [SW3] text preparation/written work
	[FIZL3_U11] is able to use basic application software packages for presentation of results and data analysis	not applicable	[SU2] presentation/project/paper/report [SU3] text preparation/written work
	[FIZL3_K01] knows the limitations of his own knowledge and understands the need for further education	not applicable	[SK2] presentation/project/paper/report [SK3] text preparation/written work
	[FIZL3_K02] can precisely formulate problems to deepen understanding of a given topic	not applicable	[SK2] presentation/project/paper/report [SK3] text preparation/written work
	[FIZL3_W02] understands the role of physical experiments, mathematical theoretical models approximating reality and computer simulations in the methodology of scientific research; is aware of technological, equipment and methodological limitations in scientific research	not applicable	[SW2] presentation/project/paper/report [SW3] text preparation/written work
	[FIZL3_K08] is able to speak competently on basic problems of physics and its applications	not applicable	[SK2] presentation/project/paper/report [SK3] text preparation/written work
	[FIZL3_K07] has a sense of responsibility for jointly implemented tasks; is able to interact and work in a group, assuming different roles in it	not applicable	[SK2] presentation/project/paper/report [SK3] text preparation/written work
	[FIZL3_K06] is aware of professionalism and adherence to professional ethics	not applicable	[SK2] presentation/project/paper/report [SK3] text preparation/written work
	[FIZL3_U16] can independently plan and implement his own learning	not applicable	[SU2] presentation/project/paper/report [SU3] text preparation/written work
Subject contents	not applicable		
Prerequisites and co-requisites	not applicable		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	51.0%	60.0%
	not applicable	51.0%	30.0%
	not applicable	0.0%	10.0%
Recommended reading	Basic literature	not applicable	
	Supplementary literature	not applicable	
	eResources addresses		

Example issues/ example questions/ tasks being completed	not applicable
Work placement	Not applicable

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