

Subject card

Subject name and code	Bachelor's Laboratory, PG_00209071						
Field of study	Nuclear safety and radiological protection						
Date of commencement of studies	October 2026		Academic year of realisation of subject			2028/2029	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study 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	3		Language of instruction			Polish	
Semester of study	6		ECTS credits			5.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
Lesson types	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		65.0	125
Subject objectives	not applicable						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BJORL3_K07] Is ready to think and act entrepreneurially.		
	[BJORL3_K06] Is prepared to make independent decisions, working as part of a team, and taking responsibility for the consequences of his actions.		
	[BJORL3_K05] Is ready to perform the professional role in a competent and responsible manner and to adhere to the principles of professional ethics.		
	[BJORL3_U02] Has the ability to perform measurements of basic quantities used in physics and chemistry; can develop, describe and present the results of simple experiments and computer simulations; can perform quantitative analyses and formulate qualitative conclusions on this basis; can estimate measurement uncertainties.	not applicable	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task
	[BJORL3_W02] Has an advanced understanding of the role of physical and chemical experiments, mathematical theoretical models approximating reality, and computer simulations in scientific research methodology; is aware of technological, apparatus, and methodological limitations in scientific research.	not applicable	[SW1] oral statement/conversation/discussion [SW5] implementation of a problem task
	[BJORL3_W03] Has advanced knowledge and understanding of the principles of planning and conducting simple physical and chemical experiments and analyzing obtained results; has knowledge and understanding of the fundamentals of measurement uncertainty as applied to experiments, the base SI units and the most important derived units, as well as other systems of units.	not applicable	[SW1] oral statement/conversation/discussion [SW5] implementation of a problem task
[BJORL3_U09] They are able to plan and carry out their own learning independently, organize their work both individually and in a team, and collaborate with others as part of a team.	not applicable	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task	
Subject contents	do uzupełnienia		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	0.0%	100.0%
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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