

Subject card

Subject name and code	Work Placement, PG_00207683						
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		
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		6.0		
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. Anna Synak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	120.0	0.0	0.0	0.0	120
	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	120		2.0		28.0	150
Subject objectives	The objective of the internship for students of the <i>Nuclear Safety and Radiation Protection</i> program is to apply in practice and further deepen the theoretical knowledge acquired during studies through participation in the activities of institutions and enterprises related to nuclear safety and radiation protection. The internship aims to develop professional and social competences, including the ability to work independently and in teams, responsibility for assigned tasks, and effective time management. An important objective is also to prepare students for conscious career planning, to enhance communication skills both in professional contexts and in the popularization of knowledge as well as to gain experience in working with techniques, and methods characteristic of the field of nuclear safety and radiation protection.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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.	The student: -is able to plan and carry out tasks related to the activities of the institution where the professional internship is undertaken. -complies with applicable organizational procedures and safety regulations; cooperates with team members in the performance of assigned tasks; -demonstrates initiative in problem-solving and takes responsibility for the quality and timely completion of assigned activities.	[SU2] presentation/project/paper/report
	[BJORL3_U04] Can use mathematical and computer apparatus to analyze and solve problems in radiological protection and nuclear safety.	The student: -uses mathematical, statistical, and information technology tools to process, analyze, and interpret data; -supports the performance of professional tasks through the use of specialized software, the preparation of summaries and reports, and the evaluation of measurement and analysis results in accordance with applicable requirements and procedures.	[SU2] presentation/project/paper/report
	[BJORL3_K03] Is ready to seek out information and consult with experts in order to resolve professional issues.	The student: -is able to independently acquire and critically evaluate information necessary for the performance of professional tasks and to make use of the knowledge and experience of specialists in situations requiring consultation; -understands the importance of cooperation with experts from various fields in ensuring the high quality of performed activities and the safety of implemented processes.	[SK2] presentation/project/paper/report
	[BJORL3_K02] Is ready to apply knowledge and skills in the field of nuclear safety and radiation protection responsibly, taking into account their social, ethical, and environmental implications.	The student: -performs assigned professional tasks responsibly, taking into account safety principles, legal requirements, and ethical standards applicable to the field of nuclear safety and radiation protection; -recognizes the impact of professional activities on human health, environmental protection, and public safety, and considers these aspects when carrying out professional duties.	[SK2] presentation/project/paper/report
	[BJORL3_W11] Knows the general principles of creation and development of forms of individual entrepreneurship, using knowledge of radiological protection and nuclear safety.	The student: -is familiar with examples of the practical application of knowledge in the field of nuclear safety and radiation protection within research, medical, and industrial institutions; understands the specific nature of the operation of such organizations, their organizational structures, and their role in ensuring safety and protection against ionizing radiation; -is familiar with the basic forms of individual entrepreneurship in the field of nuclear safety and radiation protection and understands their development potential in the context of market needs, innovation, and knowledge transfer into practice; -is able to identify potential areas of business activity related to the applications of ionizing radiation.	[SW2] presentation/project/paper/report

	Course outcome		
	Course outcome	Subject outcome	Method of verification
	[BJORL3_U05] Is able to independently search for, analyze, and utilize information from Polish- and English-language professional and popular science literature.	The student: -independently acquires and selects information necessary for the performance of internship-related tasks using technical documentation, procedures, legal regulations, standards, and Polish- and English-language professional sources; -analyzes the collected information; -evaluates the reliability of information and applies it to problem-solving as well as to the preparation of reports and other documents related to the activities of the host institution.	[SU2] presentation/project/paper/report
	[BJORL3_K07] Is ready to think and act entrepreneurially.	The student: -demonstrates initiative in carrying out assigned tasks, proposes improvements, for example in organizational processes, and seeks effective solutions to problems encountered in the workplace; -recognizes opportunities for professional development; -understands the importance of an innovative approach to activities related to nuclear safety and radiation protection.	[SK2] presentation/project/paper/report
	[BJORL3_U12] Can participate in discussions or debates on nuclear safety and radiation protection, express and justify opinions, and communicate with others using specialized terminology.	The student: -communicates effectively in a professional environment; -uses specialized terminology and adapts the manner of communication to audiences with different levels of expertise; -is able to present the results of completed tasks and formulate and justify their position based on available data, regulations, and technical documentation; -is prepared to cooperate with professionals from various disciplines, exchange information effectively, and formulate clear and well-founded conclusions that support decision-making processes.	[SU2] presentation/project/paper/report
	Subject contents		
	-familiarization with the structure, -scope of activities, and operational organization of the host institution, -substantive onboarding to tasks related to the field of nuclear safety and radiation protection, -gaining knowledge of tools and procedures used at the assigned workplace, -observation of or participation in ongoing research projects, -performing basic individual and team tasks under the supervision of the internship supervisor, including result reporting, -carrying out additional tasks assigned by the supervisor on behalf of the host institution		
	Prerequisites and co-requisites		
Assessment methods and criteria	Subject passing criteria		Percentage of the final grade
	attendance, Internship Report		100.0%
Recommended reading	Basic literature		Proposed by the internship supervisor

	Supplementary literature	not applicable
	eResources addresses	
Example issues/ example questions/ tasks being completed	not applicable	
Work placement	Not applicable	

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