

Subject card

Subject name and code	Work experience, PG_00154668						
Field of study	Biology						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	undergraduate 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	3		Language of instruction		Polish polish		
Semester of study	5		ECTS credits		4.0		
Learning profile	academic		Assessment form				
Conducting unit	Pracownia Ekologii Wód Słodkich -> Katedra Ekologii Roślin -> Faculty of Biology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Rafał Chmara				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	6.0	90.0	0.0	0.0	96
	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	96		0.0		4.0	100
Subject objectives	1. getting to know the specifics of work in various positions, 2. formation of specific professional skills directly related to the place of practice, 3. improving the ability to organize their own work, teamwork, effective time management, conscientiousness, responsibility for assigned tasks, 4. learning about one's own opportunities in the labor market, establishing professional contacts, allowing to use them when looking for a job.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLL3_K09] The graduate will be able to use the knowledge acquired to plan and organise professional activities and to think and act in an entrepreneurial way	The student is able to use the acquired knowledge to plan the further development path.	[SK7] entries and opinions in the internship diary
	[BIOLL3_K01] The graduate is prepared to evaluate their own knowledge, understand the need for continuous learning and development, and is open to new ideas	The student knows his own limitations of knowledge, sees the need to expand his knowledge, is open to new concepts and methods of biological sciences	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK7] entries and opinions in the internship diary
	[BIOLL3_K04] The graduate is ready to take responsibility for their own work and to follow the rules of teamwork and responsibility for shared tasks	The student is responsible for the performance of the task, maintains the principles of teamwork.	[SK7] entries and opinions in the internship diary
	[BIOLL3_K08] The graduate is ready to be honest, reliable and apply the principles of savoir-vivre in academic and professional work	The student is honest, systematic and cultured in academic and teaching work.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK7] entries and opinions in the internship diary
	[BIOLL3_K02] The graduate is prepared to critically self-assess their own competences and to update and improve their knowledge and skills	The student updates and expands his knowledge of biology and methods of teaching biology	[SK7] entries and opinions in the internship diary
	[BIOLL3_K05] The graduate is prepared to take responsibility for their own and others' safety at work and to recognise risk situations and take appropriate action	The student independently knows how to assess the level of safety and recognize hazardous situations at work.	[SK7] entries and opinions in the internship diary
Subject contents	Laboratory analysis: Quantitative and qualitative chemical analysis, parameters of aqueous solutions, ionizing radiation, spectroscopic methods, chromatographic, electroanalytical methods, blood morphology, urinalysis, metabolic tests, hormone levels, parasite diagnosis, interpretation of the results obtained, etc. Topics in biology, biotechnology and microbiology: Isolation, transplantation and gene transformation, molecular markers, genetic engineering, genome research, in vitro cultures, micromanipulation techniques, immunological techniques and tests, microbial identification, DNA immunity and mutations, viral infections, ecotoxicology, use of microorganisms in biotechnology, interpretation of obtained results, etc. Natural and environmental issues: Geobotanical cartography, landscape functions, levels of biodiversity, ecological formations, trophic groups, plant identification, ornamental plants, introduction, mycorrhizae, mycotoxins, herbaceous raw materials, animal husbandry and embryology, ornamental birds, veterinary prevention and treatments, hunting management, etc. Promoting and managing the environment: Legislation, EU-supported programs and projects, plant and animal protection, active conservation methods, indicator organisms, protection zones, quarantine, applied biotests, soil and environmental degradation indicators, landfilled waste, etc.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	auditory exercises	51.0%	25.0%
	apprenticeship assessment	51.0%	75.0%
Recommended reading	Basic literature	Literature identified by the internship supervisor at the workplace	
	Supplementary literature	Literature identified by the internship supervisor at the workplace	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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