

Subject card

Subject name and code	Work placement, PG_00206790						
Field of study	Biology						
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		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	5		ECTS credits		4.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Laboratory of Freshwater Ecology -> Department of Plant Ecology -> Faculty of Biology -> Rector						
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_K05] is ready to perform professional roles responsibly, both individually and in teams, including organizing the work of small teams and taking joint responsibility for the implementation of assigned tasks and the results achieved.		
	[BIOLL3_K04] is ready to apply the principles of bioethics, scientific integrity and honesty, including the proper handling of biological material and respect for intellectual property		
	[BIOLL3_K03] is ready to rationally manage verified resources and use biological knowledge to plan and implement professional activities in an entrepreneurial manner		
	[BIOLL3_K02] is ready to take care for her/his own safety and that of others, identifying threats and taking appropriate action, as well as use verified equipment and materials responsibly, ensuring their proper use		
	[BIOLL3_K01] is ready to critically evaluate her/his biological knowledge and continuously update and develop it, taking into account scientific advances and the needs of practice		
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
	apprenticeship assessment	51.0%	75.0%
	auditory exercises	51.0%	25.0%
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		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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