

Subject card

Subject name and code	Dendrochronology, PG_00144113						
Field of study	Natural Resources Conservation						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	undergraduate studies	Subject group			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			1.0		
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 hab. Krzysztof Banaś				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	0.0	0.0	15
	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	15		3.0		7.0	25
Subject objectives	To learn the basics of dendrochronology as a method of dating natural phenomena. Acquiring the ability to distinguish and classify different types of wood. Knowing the consequences of periodization in the growth of woody plants.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[OZPL3_W11] The graduate possesses a fundamental understanding of the concepts and terminology of natural science, as well as knowledge of the evolution of natural sciences and the research methods employed in them. They are also cognizant of the potential for practical application	- Knows the basic concepts and natural terminology of botany with particular emphasis on dendrology - Has knowledge of the most important research methods and analysis used in dendrochronology, is aware of their potential application in practice in ecology, forestry and archaeology, among others	[SW4] test/exam - oral or written [SW3] text preparation/written work
	[OZPL3_K08] The graduate is ready to systematically update his/her natural knowledge and to apply it in practice	Knows the practical applications of the knowledge of dendrochronology and seeks to update it as necessary	[SK3] text preparation/written work [SK4] test/exam - oral or written
	[OZPL3_K05] The graduate is ready to understand the need to improve their own competences, update their knowledge and improve their skills	Has the need to update knowledge and improve it in the field of dendrochronology	[SK3] text preparation/written work [SK4] test/exam - oral or written
	[OZPL3_U02] The graduate can read with comprehension scientific texts in the field of natural sciences in Polish and simple texts in English	Has the ability to use Polish-language professional literature in the natural sciences (ecology and dendrochronology), and basic English-language texts in the same subject area	[SU3] text preparation/written work [SU4] test/exam - oral or written
[OZPL3_U03] The graduate is able to search for and use available sources of biological information, including electronic sources, and critically analyse them	searches for and uses available electronic sources containing information on ecology and dendrochronology after verifying them in advance	[SU3] text preparation/written work [SU4] test/exam - oral or written	
Subject contents	Theoretical basis of dendrochronology (definitions, mechanisms, conditions). Examples of variation of secondary wood growth in perennial plants. Principles of application of dendrochronology in ecological research. Monitoring of ecological and anthropogenic phenomena (including environmental pollution) using dendrochronology. Various aspects of the practical use of dendrochronology.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written credit is evaluated according to the percentage rate (UG Study Regulations)	51.0%	100.0%
Recommended reading	Basic literature	n/a	
	Supplementary literature	n/a	
	eResources addresses	Adresy na platformie eNauzanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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