

Subject card

Subject name and code	Practical paleoecology - Field Exercises, PG_00168067						
Field of study	Archaeology						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study 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			1.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Institute of Archaeology -> Faculty of History -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Joanna Świąta-Musznicka				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	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		2.0		10.0	27
Subject objectives	To provide knowledge on research methods for reconstructing changes in the natural environment in the past, including bio-indicative methods used in the context of settlement studies. To provide knowledge on climate and vegetation changes in the Quaternary period (characterisation of the natural environment at the end of the last glaciation and in the Holocene and the role of settlement). To provide knowledge about the history of human use of plants in the past. To develop knowledge of the conditions for effective cooperation with natural scientists at archaeological sites.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[ARCHL3_W06] Knows and understands at an advanced level the most important theories, research methods and tools of the archaeology workshop		Is aware of the research methods and tools of the workshop of the palaeoecologist and archaeobotanist and their use in archaeological site work. Has knowledge of climate and its changes and knows the history of human use of plants.			[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report	
	[ARCHL3_K02] Is ready to recognize the importance of knowledge in solving cognitive and practical problems and to consult experts in case of difficulties in solving the problem on his own in aspect of office analyses and field work		It is ready to recognise the expertise of palaeoecologists and archaeobotanists and to seek expert advice when planning research and answering questions about botanical materials.			[SK2] presentation/project/paper/report [SK5] implementation of a problem task	
	[ARCHL3_U07] Is able to cooperate with other people as part of team work (also of an interdisciplinary nature) both at the stage of fieldwork and development of results		Be able to undertake teamwork in collaboration with palaeoecologists and archaeobotanists.			[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU6] demonstration of practical skills	

Subject contents	Site selection for palaeoecological studies. Assessment of the preservation status of a biogenic reservoir and its surroundings.Collection of material for palaeoecological and archaeobotanical studies.Description of sediments in the field (Troels-Smith method).Positive and negative effects of human impact on the environment.Planning cooperation between archaeologist and palaeoecologists and archaeobotanists.		
Prerequisites and co-requisites	Credit for courses: Elements of Earth Sciences in Archaeology, Paleoecology with elements of archaeobotany. Knowledge of natural sciences at high school level, knowledge of Quaternary stratigraphy, knowledge of the most important methods of absolute dating.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	report	51.0%	50.0%
	report	51.0%	50.0%
Recommended reading	Basic literature	Berglund B.E. 1986. Handbook of Holocene Palaeoecology and Palaeohydrology. Wiley & Sons, Chichester-New York Dybova-Jachowicz S., Sadowska A. 2003. Palinologia. Instytut Botaniki im. W. Szafera PAN, Kraków. Lityńska-Zajac M., Wasylikowa K. 2005. Przewodnik do badań archeobotanicznych. Vademecum Geobotanicum. Sorus, Poznań. Tobolski K. 2000. Przewodnik do oznaczania torfów i osadów jeziornych. PWN, Warszawa	
	Supplementary literature	Lindner L. 1992. Czwartorzęd. Osady, metody badań, stratygrafia. Wyd. PAE, Warszawa. Mackay A., Battarbee R., Birks J., Oldfield F. 2003. Global change in the Holocene. Arnold, New York Birks H.J.B., Birks H.H. 1980. Quaternary Palaeoecology. E. Arnold, London.	
	eResources addresses		
	Example issues/ example questions/ tasks being completed	Positive and negative effects of human impact on the environment.	
Work placement	Not applicable		

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