SUBJECT/MODULE SYLLABUS*

1.	Subject/module name Man and the environment in the Middle Ages	
2.	Discipline archaeology	
3.	Lecture language Polish	
4.	The entity conducting subject Institute of Archaeology	
5.	Subject/module code 22-AR-S1-KS-ELCŚ	
6.	Type of subject/module *(obligatory or optional)* optional	
7.	Field of study (specialization)* archaeology	
8.	Level of studies *(1st degree*, 2nd degree*, long-cycle master's studies*, name of the Doctoral College*)* 1st degree	
9.	Year of studies *(if applicable)*	
10.	Semester *(winter or summer)*	
11.	Form of classes and number of hours (including number of hours of online classes*) seminar 30 hours	
12.	Prerequisites in terms of knowledge, skills and social competences forthe subject/module in terms of knowledge: 1) basic knowledge about the place and importance of archaeology in the system of sciences and its specific subject and methodology; 2) knowledge of basic concepts and terminology used in archaeology and other sciences, in particular earth sciences in terms of skills: 1) ability to acquire knowledge independently, 2) ability to substantively argue using the views of various authors and formulate conclusions, 3) ability to read and understand literature in English in terms of competences: demonstrating independence and independence in thinking; understanding and respect for the right of others to make different decisions and formulate different conclusions. Preparation for a substantive scientific discussion conducted with respect for the opponent.	
13.	Learning objectives for the subject	

		Understanding the human-environment relationship in the Middle Ages based on appropriate research of the environmental archaeology. Understanding environmental changes and their impact on the formation of Europe in the Middle Ages. Learning about the effects of anthropopressure and its effects on the environment and humans
14.		Program content: 1. Introduction to the topics of the classes 2. Man and the environment - general issues, research methods 3. Climate changes in the Middle Ages (climate optimum, Little Ice Age), events worldwide (volcanic eruptions), changes in water levels, river and lake sediments, water use (ports, fishing, etc.), breeding ponds, dikes, drainage, polders (2 activity blocks) 4. Man and forest, man and agriculture (archaeobotanical and palynological research), tar making, herbal medicine, historical sources for agriculture and forest, dendrochronological research (2 study blocks) 5. Man and animals, breeding, hunting, beekeeping. Man and animals in the historical sources. 6. Man and mineral resources: mining of ores, stone, glass production, the first spas 7. Environmental changes and demography (impact of environmental factors on demography, diseases and epidemics in the Middle Ages) 8. The state of knowledge about geography in the Middle Ages, medieval cartography. Possibilities of interpretation of historical maps and digital terrain models in relation to medieval field structures. Elements of historical geography. 9. Human adaptation to various environmental conditions: marine environment,

lowland environment, warm/cold environment, mountain environment, swamp environment.

10. Planning archaeological research based on existing financing systems such research - practical classes in grant writing.

Assumed learning outcomes	Appropriate directional symbols learning outcomes
Knows the basic concepts and terminology used in archaeology and other humanities, especially history, cultural anthropology, in selected natural and earth sciences, with whom archaeology cooperates	K_W02
Has structured methodological knowledge and range of theories used in archaeology and in various directions of archaeological, archaeological and natural research	K_W03
Has basic knowledge enabling analysis and interpretation of archaeological and other sources products of civilization, useful for learning about a given civilization era in the history of humanity	K_W12
Is able to search, analyze, evaluate, select and use information from using various sources and methods	K_U01
Has basic skills in: - formulating scientific problems and their analysis by selecting appropriate methods and tools	K_U02

	research, - development and presentation of research results, - solving problems in scientific fields and disciplines , relevant to the field of study	
	Has the ability to work in a team and solve simple problems in the field of archaeological research and presentation of their results, using developed for team instructions and procedures	K_U13
	Is able to appropriately determine priorities for carrying out a task specified by yourself or others	K_K03
	Demonstrates independence and independence in thinking, while understanding and respecting the rights of others to the same	K_K07
15.	Required and recommended literature (sources, studies, textbooks, etc.) Required literature: 1. Aberth J. 2013. An environmental history of the Middle Ages, London-New York: Routledge. 2. Campbell B. 1995. Ekologia człowieka, Warszawa: PWN. 3. Kurzawska A., Sobkowiak-Tabaka I. (red.). 2021. Mikroprzeszłość. Badania specjalistyczne w archeologii, Poznań: Wydział Archeologii UAM. 4. Piskin E., Marciniak A., Bartkowiak M. (eds.). 2018. Environmental Archaeology, Current Theorethical and Methodological Approaches, Springer. Recommended literature: 1. Chudziak W. (red.). 2008. Człowiek i środowisko przyrodnicze we wczesnym średniowieczu w świetle badań interdyscyplinarnych, Toruń: Wydawnictwo UMK. 2. Jankuhn H. 2004. Wprowadzenie do archeologii osadnictwa, Poznań: Poznańskie Towarzystwo Przyjaciół Nauk. 3. Lityńska-Zając M., Wasylikowa K. 2005. Przewodnik do badań archeobotanicznych, Poznań: Sorus. 4. Tyszkiewicz J. 1981. Człowiek w środowisku geograficznym Polski średniowiecznej, Warszawa: Wydawnictwo UW.	
16.	Methods of verifying the assumed learning outcomes:	

	- active participation in discussions during classes based on previously assigned literature, verification during every classes - preparation and implementation of a project (individual or group)
17.	Conditions and form of passing individual components of the subject/module: - continuous monitoring of attendance and progress in the implementation of the course topics, - oral presentation (individual and/or group during every other class) - written test or oral answer at the end of classes
18.	Student/PhD student workload

the form of carrying out classes by the student*/doctoral student*	the number of hours allocated to carry out a given type of classes
classes (according to the study plan) with the instructor: seminar:	30
student/doctoral student's own work (including participation in group work), e.g.: - preparation for classes: - reading the indicated literature: - preparation of works/speeches/projects:	 15 30 15
Total number of hours	90
Number of ECTS points (*if required*)	3

(T) – implemented in a traditional way
(O) – implemented online

* remove unnecessary