SYLLABUS

Name of the course (as specified in the approved curriculum) **Conservation of archaeological wood**			Number of ECTS credits
Name of the course in Polish **Konserwacja drewna archeologicznego**			2
Unit providing the course (Department/Institute) Institute Of Chemical Wood Technology/Wood Technology			
Course leader **Magdalena Zborowska**			
Field of study Wood Science	Level II	Semester 3	

TYPE OF CLASSES (course load)	
- Lectures	15
- Practical classes	15
- Contact hours	7
- Self-study	40
Total number of hours	77

OBJECTIVE OF THE COURSE

To familiarize students with physical and chemical aspects of degradation and methods of archaeological wood conservation

TEACHING METHODS

Lectures based on multimedia presentations with elements of discussion. Laboratories: individual/group projects, measurements.

	Course learning outcomes	The reference to field of study outcomes
Knowledge	O1 Students will gain expertise of advanced methods, techniques, tools and materials in the scope of archaeological wood conservation	WS2A_K10
Skills	O2 Students will be able to plan independently and in team research in the area of archaeological wood conservation O3 Students will be able to use analytical methods and experiments for defining and solving in the range of archaeological wood conservation	WS2A_S04 WS2A_S08 EngA_S02
Social skills	O4 Students will understand the need for continuous learning, will be able to inspire and organize learning processes of other persons O5 Students will be able to cooperate and work in a team, both as a leader and a member of a team	WS2A_C01 WS2A_C02

Methods of evaluation of outcomes achievement	Symbols of course learning outcomes
Test Discussion, work in group	O1, O2, O3, O4, O5

TEACHING CONTENT

Lectures: Archaeological wood as a source of information for research. Degradation process of wood. Structure of archaeological wood. Physical and mechanical properties of archaeological wood. The chemical composition of archaeological wood. The evaluation of the degradation of archaeological wood. From excavation to conservation - passive conservation of wet archaeological wood. How to select the most appropriate method of conservation - active conservation of wet archaeological wood. Dimensional stability of wet archaeological wood – probably the most important stage of conservation process. Freeze drying of archaeological wood. Conservation of objects with complex structures (wood-iron, wood-leather).

Classes: Assessment of the degree of degradation of wood on the basis of selected physical properties. Selection of the most appropriate method of conservation and conservation of wet archaeological wood. Freeze drying of archaeological wood. Field trip **.**

The course completion criteria and method	Percent of a final grade
Evaluation of laboratories	50%
Evaluation of test	50%

RECOMMENDED LITERATURE

1. Rowell R., Barbour J. Archaeological Wood, properties chemistry and preservation. America Chemical Society, Washington, DC 1990.
2. Hoffmann P. Conservation of archaeological ships and boats – personal experiences. Archetype Publications, 2013

11.06.2021