

PRIVATE INSTITUTION "INSTITUTE "KHARKIV SCHOOL OF ARCHITECTURE",  
DEPARTMENT OF ARCHITECTURE AND URBANISM

APPROVED  
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**Course 'Teaching methodologies and practical approaches to  
heritage conservation'**

**Authors:**

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Reviewer, technical editor: Daria Ozhyhanova

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Number of credits - <b>5</b>	<b>Form of study</b> - Mixed format. Online sessions and intensive offline workshops
Total number of hours - <b>150</b>	
Language of teaching: <b>Ukrainian, English</b>	<b>Form of confirmation of learning outcomes</b> - A certificate of successful completion of training with an indication of the number of hours. You can check the authenticity of the certificate by following the link on it.

### **Lecturers of the course:**

#### **Dr Cornelis Stal**

is a teacher at the Heritage Management Organization, and a professor at the HOGENT University of Applied Sciences and Arts (Department of Built Environment, Belgium) with an experience in the field of the combination, processing, and quality analysis of airborne and terrestrial laser scanning and photogrammetry for 3D applications. His special interest is in the (automatic) generation of geometric, radiometric, and semantic-rich 3D models, derived from irregular point sets and other spatial data sets, and the publication of the resulting deliverables using interactive online platforms. Both laser scanning as a discipline in the land survey and geo-IT (GI-systems, GI-programming, GI-management,) are important in his research. His research also covers subjects like absolute positioning, satellite remote sensing image interpretation, integrated 3D modeling and GIS, mobile acquisition platforms. He participated in international measurement campaigns in Greece, Romania, Ethiopia, Turkey, Mexico and Honduras.

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#### **Dr Gai Jorayev**

is a Senior Research Fellow at University College London (UCL). He currently specialises in areas where heritage, its documentation, interpretation, and management, and digital with its different forms, come together. For the last five years he taught UCL's postgraduate programmes in Managing Archaeological Sites, in Cultural Heritage Studies and in Digital Heritage. Externally, he trained specialists internationally across several countries in three continents in photogrammetric recording, large scale mapping, digitisation, and data management among others. He recently carried out projects in post-Soviet space in Central Asia, Asia, Africa and European Union, and he currently collaborates closely with several international organisations on their heritage preservation and heritage-based development initiatives. He led the Under Fire Heritage of Ukraine project in 2022-23 to document the damage of the Russian invasion on monuments in specific areas of Ukraine. Gai

previously participated in projects funded by the US Ambassadors Fund for Cultural Preservation in Central Asia.

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### **Yurii Prepodobnyi**

Co-founder of Skeiron, professional surveying engineer, coordinator of the #SaveUkrainianHeritage and PocketCityAR projects. Degree in geodesy, Lviv Polytechnic National University.

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### **Dr Maja Kominko**

Director of Projects at Heritage Management Organization (HMO), holds a Doctorate in Byzantine History from the University of Oxford. An art historian with a decade of teaching experience at universities in the UK, Turkey, Sweden and Italy. She has extensive experience in leading heritage projects in the Middle East, Central Asia, and Eastern Europe, and long experience of working in the areas of war. Before joining the Heritage Management Organization she was the Scientific Director of ALIPH The International alliance for the protection of heritage in conflict areas, where she led the foundations' efforts in Ukraine, including architectural stabilisation and conservation projects and organizing training webinars for Ukrainian heritage professionals.

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### **Dr Iryna Matsevko**

Historian, PhD in History. Her research interests include the urban history of Soviet Ukraine and Russia, urban heritage and heritage practices as a potential for sustainable development of cities and communities. Her practical experience includes the development and coordination of public history projects on competing memories and inclusive approaches to heritage work. The projects focus on intangible urban heritage in Ukraine, the implementation of heritage practices, and guidelines for the interpretation and management of cultural heritage. She was a member of the team of the memorial project 'Space of Synagogues' in Lviv, Ukraine; co-leader and coordinator of the three-year project 'ReHERIT: Shared Responsibility for Common Heritage' in Lviv and Uman; developer of methodology and content for city walks through complex heritage for guides in Lviv and Uman; project manager of the project on marking ten multicultural heritage sites in the public space of Uman; editor and co-author of the book 'Uman. (Un)known histories of the city', a collection of texts about the past, memory, and heritage of Uman.

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## **Daria Ozhyhanova**

Architect, BA programme director and studio tutor at the Kharkiv School of Architecture. Degree in Architecture and Urban Planning, Kharkiv National University of Construction and Architecture; with hands-on experience in projects of historic buildings reconstruction, public and private interiors design through work with the Portal-21 architectural office, Kharkiv. In 2016, as a participant of the Urban Forms Centre civil organization, coordinated the conference on Gender Issues in Art, Architecture and Urban Planning. Co-author and coordinator of the Modernism Women awareness-rising project focusing on the contribution of women to science, culture and art. Curator of the School Module. Urbanism children's educational project aimed at increasing young people's participation in urban decision-taking.

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## **GENERAL INFORMATION ABOUT THE COURSE**

This program aims to equip participants with the knowledge and tools to teach and develop courses in digital documentation of built heritage and heritage conservation. Participants will explore methodologies for digital documentation, conservation planning, and heritage analysis, focusing on the specific challenges and opportunities of the Ukrainian context.

The course includes intensive modules on 3D documentation, conservation planning, and teaching methodology. Participants will engage in lectures, workshops, panel discussions, and practical tasks led by leading Ukrainian and international experts in heritage conservation.

The program is organized by the Heritage Management Organization (HERITAGE) in collaboration with Kharkiv School of Architecture, Skeiron LLC and Lviv Polytechnic National University. It is supported by the Public Diplomacy Section of the U.S. Embassy in Kyiv.

## **PARTICIPANT CRITERIA:**

- Teachers or PhD students in architecture, heritage conservation, or related fields.
- Motivation to integrate heritage conservation into educational programs.
- Interest in developing skills in digital documentation, conservation planning, and teaching methodologies.



## **LIST OF COMPETENCIES TO BE DEVELOPED OR ENHANCED**

### **General Competencies:**

- Ability to act responsibly and consciously, respecting human rights and freedoms, and understanding the values of civil society and sustainable development.
- Ability to engage in interpersonal interaction, teamwork, and communication with representatives of different professional groups at various levels.
- Ability to make effective decisions in professional activities, take responsibility for duties, and motivate people to achieve common goals.
- Ability to work in an interdisciplinary environment, integrating knowledge from architecture, conservation, and digital documentation.
- Ability to think critically and analytically in addressing challenges related to heritage conservation and architectural education.
- Ability to navigate complex regulatory and institutional landscapes concerning heritage protection and conservation.

### **Professional Competencies:**

- Ability to conduct preventive and educational activities on architectural heritage conservation, safety measures, and sustainable development.
- Ability to apply digital tools and methodologies for 3D documentation, photogrammetry, GIS-based spatial analysis, and terrestrial laser scanning in architectural heritage studies.
- Ability to assess, monitor, and document deformations and structural integrity of historical monuments using geodetic monitoring techniques.
- Ability to develop conservation plans by integrating archival research, conservation assessment methods, and damage monitoring techniques.
- Ability to understand and apply international standards, legal regulations, and interdisciplinary collaboration in conservation planning.
- Ability to incorporate historical research and archival materials into conservation education and professional practice.
- Ability to integrate modern pedagogical methodologies in heritage conservation education, including curriculum design, student engagement strategies, and assessment techniques.
- Ability to effectively present research findings and conservation projects through reports, digital models, and public presentations.
- Ability to manage heritage data and create structured digital archives for heritage documentation and conservation purposes.
- Ability to use digital platforms and visualization tools for heritage education and public engagement.

- Ability to facilitate discussions, lead workshops, and contribute to roundtable panels on contemporary issues in architectural conservation.
- Ability to recognize and address the ethical, cultural, and social implications of heritage conservation within the Ukrainian and global context.

## **PROGRAM**

**MODULE 1.1. Online:** “Photogrammetry and image-based 3D modeling” (27, 29, 31 January 2025)

**MODULE 1.2. Online:** “GIS and (spatial) data management” (3, 5, 7 February 2025)

**MODULE 1.3. In-person:** “Laser scanning. Deformation and geodetic monitoring” (10 - 14 February 2025)

These modules cover the basics of photogrammetry, image-based 3D modeling, terrestrial laser scanning, and publishing spatial data and 3D models online, with a focus on integrating documentation with spatial information through GIS utilizing open-source software. It also includes deformation and geodetic monitoring, taught by experts from the Lviv Polytechnic National University. The program combines lectures, workshops, practical exercises, and 50 hours of self-study with tasks designed to develop and test participants’ skills.

**MODULE 2.1. Online:** “Preserving the past: Foundations and frameworks for conservation” (3, 5, 7 March 2025)

**MODULE 2.2. Online:** “Heritage conservation: Stakeholders, processes, and the Ukrainian context” (7, 9, 11 April 2025)

These modules cover heritage analysis, including archival research, conservation assessment methods, damage monitoring, and conservation planning. Topics include international standards, legal regulations, collaborating with historians and art conservators, and logistics of conservation projects.

**MODULE 3.1. Online:** “Methodology of teaching heritage conservation” (5, 7, 9 May 2025)

**MODULE 3.2. In-person:** “Finalizing courses and integrating archival research” (16 - 20 June 2025)

Trainees will explore effective methods for teaching these topics to architecture students, including designing effective curricula with practical tasks. By the end of the training, participants will propose a course design, discuss it with the trainers, and present it for peer feedback.

THEMATIC PLAN AND SCHEDULE			
	Date	Activity	Description / details
Day 0	20 January 2025, Monday	<b>18:00 - 19:00</b> Introductory session on the timetable and programme, assignments, assessment criteria, and learning outcomes. Q&A session	
<p align="center"><b>ONLINE MODULE 1.1</b></p> <p align="center"><b>Photogrammetry and Image-based 3D modeling</b></p> <p align="center"><b>JANUARY 2025</b></p> <p>3D models, orthophotos, and point clouds are indispensable tools for the documentation and monitoring of heritage and allow a better understanding of the objects under research. The construction of these products is based on various concepts in photography, photogrammetry, and computer vision, which are available via easy-to-use software and generally available hardware. During these teach the teacher sessions, various techniques will be addressed and demonstrated with hands-on online tutorials. Participants will get familiar with various digital tools (photography, photogrammetry, 3D modeling, and model referencing), the preparation of the resulting deliverables for further processing and publishing the results.</p>			
	Date	Activity	Description / details
Day 1	27 January 2025, Monday	<b>18:00 - 21:00</b> <b>Session 1: Fundamentals of Photography and Photogrammetry.</b> <i>Exploring the principles of converting 3D scenes into 2D projections and reconstructing them virtually, with an overview of essential tools and equipment.</i>  <b>Language:</b> English <b>Format:</b> Prerecorded or live lecture	An entry level theoretical lecture on the basic principles of photography and photogrammetry, which involves the conversion of 3D scenes to 2D projections through photographs and the virtual reconstruction of these 3D scenes using photographs. The lecture will also include an overview of the equipment needed for photogrammetry, such as cameras and software, and how to select the right tools for different projects.
Day 2	29 January 2025, Wednesday	<b>18:00 - 21:00</b> <b>Session 2: Workflow for 3D Model Creation</b> <i>Step-by-step image processing, software tools for photogrammetry, and techniques for precise model referencing and scaling.</i>  <b>Language:</b> English <b>Format:</b> Prerecorded or live demo + selection of online tutorials on Youtube	Participants will learn the workflow for processing images to create 3D models. This will include an in-depth look at various software tools used for photogrammetry and the steps involved in transforming 2D images into a 3D model. The techniques for accurate model referencing and scaling will also be covered. This is crucial for ensuring that the 3D models

			are precise and can be used for detailed analysis and conservation work.
Day 3	31 January 2025, Friday	<b>18:00 - 21:00</b> <b>Session 3: Deliverables and Applications in Heritage Documentation.</b> <i>Creating orthophotos, digital elevation models, point clouds, and textured 3D models for CAD/GIS integration and online visualization.</i>  <b>Language:</b> English <b>Format:</b> Prerecorded or live demo + selection of online tutorials on Youtube	In this last session, various deliverables from the software will be demonstrated. The creation of (geo)referenced orthographic projections (orthophotos and digital elevation models) for further processing in a CAD or GIS, as well as point clouds and textured 3D models will be covered. The latter will be visualized in browser-based and open-source environments for the preparation of online publication of models.

## ONLINE MODULE 1.2

### GIS and (spatial) data management

#### FEBRUARY 2025

Covering the methods of integrating documentation with spatial information through GIS, utilizing open-source software. The workshops will be built around the open-source GIS datasets produced by recent projects (such as the 'Under Fire Heritage of Ukraine' project)). The basics of using base maps, raster and vector layers, and geopackages in GIS environment will be explained, and different case studies will be presented to showcase the diversity and practicality of GIS. with the help of regional case studies, large-scale heritage inventory systems and how they are operationalised will also be discussed. The session will also start the discussions of remote sensing that then will be continued in the next sessions.

	Date	Activity	Description / details
Day 1	3 February 2025, Monday	<b>18:00 - 21:00</b> <b>Session 1: GIS fundamentals.</b> <i>Basics of Geographic Information Systems (GIS). Overview of open-source GIS software. Practical session: introduction to GIS software interface.</i>  <b>Language:</b> English <b>Format:</b> Prerecorded or live lecture	An introduction to Geographic Information Systems (GIS) will be provided, covering basic concepts and the importance of GIS in heritage documentation. participants will get an overview of open-source GIS software, learning about the tools and resources available for GIS applications. The practical session will involve navigating the basic interface of GIS software. Participants will engage in introductory exercises to familiarize themselves with the functionalities of the GIS tools.

Day 2	5 February 2025, Wednesday	<p><b>18:00 - 21:00</b>  <b>Session 2: Managing heritage data with GIS and creating cartographic deliverables</b>  <i>Methods for managing heritage data with GIS. Producing maps and other spatial representations. Practical session: generating and customizing cartographic outputs</i></p> <p><b>Language:</b> English  <b>Format:</b> Prerecorded or live lecture</p>	<p>Techniques for integrating spatial data in a GIS will be discussed, showing participants how to combine different types of spatial information for comprehensive documentation. participants will learn how to produce maps and other spatial representations using GIS. The focus will be on creating clear and informative cartographic outputs that can be used for heritage documentation and analysis. Customizing map features and outputs will also be covered to ensure that participants can tailor their cartographic products to specific needs. Practical exercises will involve the integration of various spatial datasets and the creation of maps from these data. Participants will practice customizing map features to create professional and informative cartographic outputs.</p>
Day 3	7 February 2025, Friday	<p><b>18:00 - 21:00</b>  <b>Session 3: Working with conventional records in a digital environment: digitisation, formats and accessibility</b>  <i>Conventional heritage-specific records. Archives, collections and materials approaches to digitisation, formats and long-term sustainability. Open-access datasets and stable identifiers of data.</i></p> <p><b>Language:</b> English  <b>Format:</b> Prerecorded or live lecture</p>	<p>Taking recent projects as an example, the lecture will focus on conventional historic environment records and how they could be converted into digital outputs that can support digital workflows of architects, archaeologists, urban planners and preservation specialists. it will cover major differences and similarities between born-digital and digitised-later collections. It will discuss equipment for digitisation, formats for data, importance of detailed metadata, and usability concerns for the future. The session will focus on open-access and data and how that is created, managed and used. Digitising some of the</p>

			existing historic environment records using simple equipment, the participants will be encouraged to develop their metadata standards and upload the data to one of the online repositories. Some of the outputs from earlier sessions could be used here as well.
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**IN PERSON MODULE 1.3**  
**Laser scanning. Deformation and geodetic monitoring.**  
**FEBRUARY 2025**

This intensive week focuses on equipping participants with essential skills and methodologies for heritage monitoring and 3D documentation. Through a combination of theoretical lectures, practical on-site workshops, and data analysis sessions, participants will learn how to assess, document, and visualize heritage sites effectively. Key topics include the use of monitoring tools, field data collection, 3D scanning technologies, and data processing for heritage conservation. Participants will engage in real-world applications, including working at heritage sites and developing digital models for conservation purposes. The week culminates with project finalization, collaborative feedback, and a panel discussion addressing the role of architectural education in protecting heritage during times of conflict.

	<b>Date</b>	<b>Activity</b>	<b>Description / details</b>
Day 1	10 February 2025, Monday	<b>09:00–11:00</b> <b>Session 1: Methods and Tools for Heritage Monitoring</b>  <b>Language:</b> Ukrainian <b>Format:</b> Lecture	A theoretical introduction to the principles and practices of heritage monitoring. The session will cover an overview of tools and methods used for assessing and documenting the state of monuments. Participants will learn how to select the appropriate techniques and equipment for specific heritage projects.
		<b>11:00 - 12:00</b> <b>Coffee break and walk to the object of research</b> брейк та дорога до об'єкту дослідження.	
		<b>12:00–14:00</b> <b>Session 2: Field Data Collection</b> <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop on-site	Hands-on session at a selected heritage site. Participants will practice collecting data using monitoring tools, including measuring devices and photographic documentation. Techniques for ensuring accurate and reliable data will

			be demonstrated.
		<b>14:00 - 15:00</b> <b>Lunch and walk to the main location</b> <b>та дорога до основної локації.</b>	
		<b>15:00–17:00</b> <b>Session 3: Processing Collected Data</b>  <b>Language:</b> Ukrainian <b>Format:</b> Hands-on practical session	Participants will learn how to organize and process the collected data. This includes sorting, analyzing, and preparing datasets for further evaluation. Emphasis will be placed on the integrity and usability of the collected information.
		<b>17:00 - 18:00</b> <b>Coffee break брейк</b>	
		<b>18:00 - 20:00</b> <b>In person:</b> <b>Online and in person:</b> Smaller launch event - kick off of the course for teachers.  <b>Language:</b> Ukrainian <b>Translation:</b> ?? <b>Format:</b> Panel discussion	<b>Provisional topic:</b> Architectural education for the needs of the country in time of war: Teaching protection and rehabilitation of architectural heritage in Ukraine
Day 2	11 February 2025, Tuesday	<b>09:00–11:00</b> <b>Session 4: Interpretation of Monitoring Results</b>  <b>Language:</b> Ukrainian <b>Format:</b> Lecture	A lecture on how to analyze and interpret monitoring data to assess the condition of heritage sites. Participants will explore methodologies for identifying key patterns and issues in the datasets, as well as approaches to generating meaningful insights.
		<b>11:00 - 12:00</b> <b>Coffee break брейк.</b>	
		<b>12:00–14:00</b> <b>Session 5: Working with Field Data</b>  <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop	A practical session where participants will engage with real datasets collected during the previous day. The focus will be on applying analytical tools and techniques to extract relevant information.
		<b>14:00 - 15:00</b> <b>Lunch.</b>	
		<b>15:00–17:00</b>	Participants will consolidate their findings and prepare

		<b>Session 6: Summary and Reporting Findings</b>  <b>Language:</b> Ukrainian <b>Format:</b> Hands-on practical session	initial summaries. The session includes guidance on structuring reports and visual presentations of the results.
Day 3	12 February 2025, Wednesday	<b>09:00–11:00</b> <b>Session 7: Principles of 3D Scanning in Heritage Documentation</b>  <b>Language:</b> Ukrainian <b>Format:</b> Lecture	An introductory lecture on the principles of 3D scanning technology and its applications in documenting and preserving heritage. The session will also highlight how to choose and configure 3D scanning equipment for optimal results.
		<b>11:00 - 12:00</b> <b>Coffee break and walk to the object of research брейк та дорога до об'єкту дослідження</b>	
		<b>12:00–14:00</b> <b>Session 8: Setting Up and Scanning Monuments</b>  <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop on-site	A practical session focusing on the setup and operation of 3D scanning equipment at a heritage site. Participants will learn best practices for scanning accuracy and efficient data capture.
		<b>14:00 - 15:00</b> <b>Lunch and walk to the main location та дорога на основну локацію</b>	
		<b>15:00–17:00</b> <b>Session 9: Initial Processing of Scanned Data</b>  <b>Language:</b> Ukrainian <b>Format:</b> Hands-on practical session	This session will guide participants through the initial processing of 3D scan data. Topics include cleaning, organizing, and preparing the scans for further analysis or integration into other tools.
Day 4	13 February 2025, Thursday	<b>09:00–11:00</b> <b>Session 10: Advanced Techniques for Processing 3D Scans</b>  <b>Language:</b> Ukrainian <b>Format:</b> Live lecture	A lecture on advanced methodologies for analyzing and refining 3D scan data. Participants will explore tools for integrating the data into CAD and GIS systems for



			conservation and design purposes.
		<b>11:00 - 12:00</b> <b>Coffee break брейк.</b>	
		<b>12:00–14:00</b> <b>Session 11: Processing Scans and Data Integration</b>  <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop	A workshop on using software to enhance and combine 3D scans. Participants will prepare the scans for use in architectural design and heritage analysis.
		<b>14:00 - 15:00</b> <b>Lunch.</b>	
		<b>15:00–17:00</b> <b>Session 12: Preparing Models for Visualization</b>  <b>Language:</b> Ukrainian <b>Format:</b> Hands-on practical session	This session focuses on creating high-quality visualizations from 3D models. Topics include rendering, creating orthophotos, and preparing interactive presentations for online or physical exhibits.
Day 5	14 February 2025, Friday	<b>09:00–11:00</b> <b>Session 13: Finalizing Projects and Correcting Errors</b>  <b>Language:</b> Ukrainian <b>Format:</b> Hands-on practical session	Participants will review and refine their projects, addressing any errors or inconsistencies in the data or models. Emphasis will be placed on ensuring precision and clarity.
		<b>11:00 - 12:00</b> <b>Coffee break брейк.</b>	
		<b>12:00–14:00</b> <b>Session 14: Preparing Reports and Visualizations</b>  <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop	Guided session on structuring reports and creating compelling visualizations that effectively communicate project results. Participants will also receive tips on tailoring their outputs to different audiences.
		<b>14:00 - 15:00</b> <b>Lunch.</b>	
		<b>15:00–18:00</b> <b>Session 14: Preparing Reports and Visualizations</b>  <b>Language:</b> Ukrainian <b>Format:</b> Practical workshop	

		<b>18:00 - 19:30</b> Presentation of achievements, commenting and feedback, review of assignments and materials for self-study in the following months  <b>Language:</b> Ukrainian <b>Format:</b> Live presentations <b>Translation:</b> ??	Participants will present their completed projects, sharing insights and outcomes with peers and facilitators. Constructive feedback will be provided to help refine future approaches.
		<b>20:00 - 22:00</b> <b>Dinner together</b>	

**ONLINE MODULE 2.1**  
**Preserving the Past: Foundations and Frameworks for Conservation**  
**MARCH 2025**

Conservation is a critical practice in preserving cultural heritage, bridging the past and the present through thoughtful interventions. This module explores the evolution, standards, and practical applications of architectural conservation. Through historical insights, real-world examples, and detailed project planning discussions, participants will gain a comprehensive understanding of the principles and complexities involved in conservation work.

	<b>Date/time</b>	<b>Activity</b>	<b>Description / details</b>
Day 1	3 March 2025, Monday	<b>18:00 - 21:00</b> <b>Session 1: Modern conservation – how did we get here?</b>  <b>Language:</b> English <b>Format:</b> Live lecture	This session will explore the historical development of modern conservation. We will cover the work of Schinkel and Viollet-le-Duc, the conservation movement of Ruskin and Morris, and the conservation theory of Riegl, Argan, and Brandi. We will also discuss Athens, Venice, and the ICOMOS Charters. Historical examples will provide the background to discussing differences between renovation, restoration, preservation, and conservation.
Day 2	5 March 2025, Wednesday	<b>18:00 - 21:00</b> <b>Session 2: Conservation standards, guidelines, and recommendations. Why do we have them?</b>  <b>Language:</b> English <b>Format:</b> Live lecture	Building on the previous session and using real-life examples of conservation projects, this session will discuss conservation standards, guidelines, and recommendations. It will explore why they are useful

			and important and what are their limitations.
Day 3	7 March 2025, Friday	<b>18:00 - 21:00</b> <b>Session 3: Planning a conservation project (and what can go wrong)</b>  <b>Language:</b> English <b>Format:</b> Live lecture	In this session, we explore how to prepare and execute architectural conservation projects. Using examples of real projects, we will explore all necessary steps, their risks, and potential mitigation measures.
<p style="text-align: center;"><b>ONLINE MODULE 2.2</b></p> <p style="text-align: center;"><b>Heritage Conservation: Stakeholders, Processes, and the Ukrainian Context</b></p> <p style="text-align: center;"><b>APRIL 2025</b></p> <p>This module focuses on the stakeholders and decision-making processes shaping heritage conservation, with an emphasis on Ukraine. Participants will explore the shift from preserving individual monuments to integrated approaches involving cultural landscapes and community narratives. Key attention will be given to the roles of international organizations, national authorities, local communities, and experts in forming and implementing conservation strategies. The sessions will also examine Ukraine's legal frameworks and challenges in protecting heritage during conflict and recovery, providing practical insights through case studies and discussions.</p>			
	<b>Date/time</b>	<b>Activity</b>	<b>Description / details</b>
Day 1	7 April 2025, Monday	<b>18:00 - 21:00</b> <b>Session 2: The Evolution of Heritage discourse: From Monument Preservation to Integrated Conservation</b>  <b>Language:</b> Ukrainian <b>Format:</b> Live lecture	This session will explore how the concept of cultural heritage has evolved over time. Starting with early preservation efforts focused on individual monuments, we will examine how the scope has broadened to include intangible heritage, cultural landscapes, and community narratives. The lecture will also discuss how shifting values and societal changes have shaped modern approaches to heritage conservation. Participants will reflect on how these developments influence the way heritage is taught and preserved in contemporary contexts.
Day 2	9 April 2025, Wednesday	<b>18:00 - 21:00</b> <b>Session 2: Heritage stakeholders: who</b>	This session examines the complex processes and diverse

		<p><b>preserves, for whom and why?</b></p> <p><b>Language:</b> Ukrainian <b>Format:</b> Live lecture</p>	<p>stakeholders involved in heritage conservation. From international organizations like UNESCO and ICOMOS to national governments, local communities, and independent experts, participants will explore how different actors contribute to shaping conservation policies and practices. The lecture will delve into the dynamics of decision-making, including how global frameworks are negotiated, adapted, or challenged at regional and local levels. Case studies will illustrate collaborative and contested approaches to conservation, highlighting the interplay between policy, expertise, and community engagement.</p>
Day 3	11 April 2025, Friday	<p><b>18:00 - 21:00</b> <b>Session 3: Legal Frameworks for Heritage Conservation in Ukraine</b> <b>Overview of Ukrainian laws on heritage protection.</b> <i>International conventions ratified by Ukraine (e.g., UNESCO World Heritage Convention). Legal challenges in conserving heritage during conflict and recovery.</i></p> <p><b>Language:</b> Ukrainian <b>Format:</b> Live lecture</p>	<p>This session explores the legal and regulatory frameworks governing heritage conservation in Ukraine. Participants will gain an understanding of the national laws, international conventions, and local regulations that shape conservation practices. Emphasis will be placed on the interplay between Ukrainian legislation and global heritage standards. Case studies of successful and challenged conservation projects will demonstrate how to navigate these frameworks effectively.</p>
<p style="text-align: center;"><b>ONLINE MODULE 3.1</b> <b>Methodology of Teaching Heritage Conservation</b> <b>MAY 2025</b></p> <p>Effective teaching is key to ensuring the next generation of professionals is equipped to preserve cultural heritage. This module focuses on the principles and practicalities of designing and delivering educational programs in heritage conservation. Participants will explore curriculum development strategies, methods for integrating theory and practice, and approaches to assessing student progress. Through case studies, interactive exercises, and applied tasks, this module empowers educators and PhD students to create impactful and engaging conservation courses tailored to their institutional and student needs.</p>			

	Date/time	Activity	Description / details
Day 1	5 May 2025, Monday	<b>18:00 - 21:00</b> <b>Session 1: Fundamentals of Curriculum Design for Heritage Conservation.</b>  <b>Language:</b> Ukrainian <b>Format:</b> Live lecture	This session introduces participants to the principles of curriculum design specifically tailored to heritage conservation. Topics include setting clear learning objectives, structuring a balanced syllabus, and incorporating interdisciplinary approaches. Emphasis will be placed on aligning course content with academic standards, student needs, and professional competencies. Participants will brainstorm potential course topics and begin drafting an outline for a conservation-focused curriculum.
Day 2	7 May 2025, Wednesday	<b>18:00 - 21:00</b> <b>Session 2: Designing Practical Exercises and Student Engagement Strategies.</b>  <b>Language:</b> Ukrainian <b>Format:</b> Live lecture	This session focuses on developing engaging and effective practical exercises that integrate seamlessly with theoretical instruction. Participants will explore case studies of successful conservation education tasks, such as photogrammetry workshops, archival research activities, and damage assessment simulations. They will also learn strategies to foster active learning and student engagement, including collaborative projects, field visits, and interactive discussions. By the end of the session, attendees will draft one or two detailed practical exercises and discuss their implementation in a classroom setting.
Day 3	9 May 2025, Friday	<b>18:00 - 21:00</b> <b>Session 3: Assessment Methods and Continuous Improvement in Conservation Education.</b>	The final session is dedicated to designing assessment methods that measure student

		<b>Language:</b> Ukrainian <b>Format:</b> Live lecture	progress effectively while fostering critical thinking and problem-solving skills. Participants will learn how to create clear evaluation criteria for theoretical and practical tasks, implement formative assessments, and adapt to diverse student needs. The session will also cover methods for gathering feedback from students and incorporating it into course improvement. Attendees will leave with a template for assessing both theoretical knowledge and practical skills in conservation.
<p style="text-align: center;"><b>IN PERSON INTENSE WEEK 2. MODULE 3.2</b>  <b>Finalizing Courses and Integrating Archival Research</b>  JUNE 2025</p> <p>This concluding intensive week is dedicated to finalizing the educators' course designs, enhancing archival research skills, and fostering collaborative discussions on the future of heritage conservation in Ukraine. Participants will refine their syllabi through consultations, engage in hands-on archival research, and learn to incorporate historical materials into their teaching and conservation practices. The program includes guided archival excursions, practical workshops, and collaborative problem-solving sessions to address challenges in course development. The week concludes with final course presentations, a certification ceremony, and a hybrid panel discussion with leading experts on shaping the future of architectural conservation in Ukraine.</p>			
	Date/time	Activity	Description / details
Day 1	16 June 2025, Monday	<b>Day 1</b> <b>09:00–10:30</b> <b>Session 1: Reviewing Developed Syllabi</b> <i>Language:</i> English/Ukrainian <i>Format:</i> Workshop Participants present their drafted syllabi for initial feedback. Facilitators guide discussions on improving course structure, learning objectives, and integration of practical components.  <b>10:30–11:00</b> <i>Coffee Break</i>  <b>11:00–13:00</b>	

		<p><b>Session 2: Fundamentals of Archival Research in Heritage Conservation</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Lecture  An overview of how archival research supports conservation efforts, focusing on methods for identifying, interpreting, and utilizing historical materials in course design and conservation projects.</p> <p><b>13:00–14:00</b>  <i>Lunch Break</i></p> <p><b>14:00–16:30</b>  <b>Session 3: Individual Work on Syllabi and Consultations</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Workshop  Participants refine their syllabi with guidance from facilitators, incorporating insights from the morning sessions.</p> <p><b>16:30–17:00</b>  <i>Break</i></p> <p><b>17:00–18:30</b>  <b>Session 4: Preparing for Archival Work</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Lecture  A session on how to effectively approach archival research during the field day, with practical tips on working with historical records and databases.</p>	
Day 2	17 June 2025, Tuesday	<p><b>Day 2</b>  <b>09:00–13:00</b>  <b>Session 5: Archival Excursion and Research</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> On-Site Workshop  Participants visit a selected archive, explore its collections, and engage in guided research relevant to their courses or conservation projects.</p> <p><b>13:00–14:00</b>  <i>Lunch Break</i></p> <p><b>14:00–16:30</b>  <b>Session 6: Independent Archival Work</b></p>	

		<p><b>and Consultations</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Practical Workshop  Participants work independently in the archive, gathering materials for their projects. Facilitators provide on-the-spot guidance.</p> <p><b>16:30–17:00</b>  <i>Break</i></p> <p><b>17:00–18:30</b>  <b>Session 7: Sharing Archival Findings</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Round-Table Discussion  Participants present and discuss their findings, exploring how archival materials can enrich their courses and conservation practices.</p>	
Day 3	18 June 2025, Wednesday	<p><b>09:00–12:00</b>  <b>Session 8: Preparing Final Presentations</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Workshop  A focused session to prepare final course presentations, with facilitators providing feedback on clarity, content, and delivery.</p> <p><b>12:00–13:00</b>  <i>Lunch Break</i></p> <p><b>13:00–16:00</b>  <b>Session 9: Peer Review and Rehearsal</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Workshop  Participants rehearse their presentations in small groups, receiving constructive peer feedback.</p> <p><b>16:00–16:30</b>  <i>Break</i></p> <p><b>16:30–18:30</b>  <b>Session 10: Collaborative Problem-Solving</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Group Workshop  Participants work together to address challenges in integrating archival and</p>	



		conservation practices into course designs.	
Day 4	19 June 2025, Thursday	<p><b>09:00–12:00</b>  <b>Session 11: Final Course Presentations</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Live Presentations  Participants deliver their final course presentations to the group and facilitators, receiving detailed feedback.</p> <p><b>12:00–13:00</b>  <i>Lunch Break</i></p> <p><b>13:00–16:00</b>  <b>Session 12: Reflection and Improvement</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Group Workshop  Participants reflect on their course designs and discuss future improvements based on feedback received.</p> <p><b>16:00–16:30</b>  <i>Break</i></p> <p><b>16:30–18:30</b>  <b>Session 13: Preparing for Panel Discussion</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Workshop  Participants collaboratively prepare questions and themes for the final panel discussion on conservation education.</p>	
Day 5	20 June 2025, Friday	<p><b>11:00–14:00</b>  Public presentation of the course designs. Crits and feedback.</p> <p><b>14:00–15:00</b>  <i>Lunch Break</i></p> <p><b>15:00–16:30</b>  <b>Summary and Certification Ceremony</b>  <i>Language:</i> English/Ukrainian  <i>Format:</i> Live Event  A closing session summarizing key</p>	

		<p>takeaways from the program, followed by the official presentation of certificates to participants.</p> <p><b>16:30–17:00</b> <i>Coffee Break</i></p> <p><b>17:00–19:00</b> <b>Panel Discussion on the Future of Architectural Conservation in Ukraine</b> <i>Language:</i> English/Ukrainian <i>Format:</i> Hybrid Event A discussion featuring Dr. Mounir Bouchenaki (TBC), representatives from MinCult, and other experts. Topics include challenges, opportunities, and the future direction of architectural conservation in Ukraine.</p> <p><b>19:30–22:00</b> <b>Session 16: Dinner together. Informal Networking and Closing Remarks</b> <i>Language:</i> English/Ukrainian <i>Format:</i> Informal Event Participants and facilitators share final thoughts, build connections, and discuss potential collaborations.</p>	
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