

Module 1 Learning Outcomes

Training for: ALL TARGET GROUPS; mainly 3 groups - 1/ staff of monuments boards, 2/ architects and engineers, 3/ local/regional governments (but also opened for: 4/craftsmen - advanced, 5/ owners - experienced)

U1. Theoretical and methodical aspects of monuments care

A brief look at the history of modern monument protection in the world and in the countries of Central Europe. In the lectures, the most important theoretical works of monument protection will be presented, and emphasis will be placed on the contributions of the Viennese school and the development of monument protection in the 20th and 21st centuries. The second area of the issue is represented by basic theoretical concepts and the theory of monument values. The third area of problems will be brief information about the current practice of monument protection and its performance in the field of knowledge, and the social significance of the advisory decision-making activity of organizations and bodies of monument care. Participants will get an overview of the current prevailing view on the preservation of monuments and its challenges for the near future. Participants should be able to describe the essential landmarks of monument care in both international and local contexts. They should understand the basic theoretical concepts of monument protection and describe monument values independently. Participants should be able to match international charters to the issue they are dealing with, with a more detailed knowledge of the Venice Charter as a starting document. They should get an orientation in the monument law, know what the individual parts are about, be able to describe the competences of individual authorities, the owner's obligations, as well as the process of registering a monument and the process of monument restoration. They should know the hierarchy of individual legal documents.

U2. Legal and administrative aspects of monuments care

The lectures are focused on the legal aspects of the protection of cultural monuments. From an international point of view, these are primarily international charters, conventions and standards, which are subsequently reflected in national legislative systems. At the national level, the legislation went through a certain development, knowledge of which makes sense even from the current point of view. The legislation on the protection of monuments is also part of a more complex package of legal adjustments for the entire cultural heritage. Participants will familiarize themselves with individual, precisely defined terms and individual parts of the Monuments Act. In the next part, individual legal regulations of monument law will be analysed and illustrated in specific cases, such as the procedural

declaration of a cultural monument, the rights and obligations arising from the ownership of cultural monuments, the process of restoration of a cultural monument also in relation to construction legislation and its current state.

U3. Art-history aspects

The lecture series presents a chronological form of the development of art and architecture (urban planning, floor plan, space, construction, purpose) from antiquity to the present. The lecture series also includes a detailed analysis of selected buildings, essential for the development of the architecture of the studied period. Emphasis will be placed on professional terminology, from the knowledge of classical antique styles to the element of 20th century architecture, which is mandatory for the entire field of monument protection. The area of cultural landscape, rural and urban structures and modifications of historical greenery with an emphasis on regional characteristics will also be common. The participant should be able to independently describe the immovable monument in detail, e.g. building object from broader contexts to detail with a framework time classification but also with the use of the correct professional terminology.

Module 2 Learning Outcomes

Training for: ALL TARGET GROUPS – Restrictions: only craftsmen with experience or trained on module M9, private owners trained on module M11

U4. Effective communication with stakeholders

Participants will gain an overview of communication strategies and the possibilities and methods of presenting monuments and their heritage values as part of the entire process of preparation, implementation and subsequent realization of projects in the field of restoration / maintenance of building monuments. The main emphasis will be placed on increasing the communication skills of the participants, which are necessary for successful interdisciplinary cooperation, from mediation to better handling of crisis situations. Imitation of real, concrete situations in the form of "role playing" will also be included. This module is included in the initial phase of a series of training modules with the aim of promoting communication and cooperation between participants from different target groups.

Module 3 Learning Outcomes

Training for: ALL TARGET GROUPS – Restrictions: only craftsmen with experience or trained on module M9, private owners trained on module M11

U5 Building materials - properties, deterioration/damages and methods for repair and conservation

Participants will gain an overview of the basic physical principles needed to understand the behaviour of building materials and structures. This includes moisture transport, mechanical stress, and the influence of climatic conditions. It will also include an explanation and definition of the main physical parameters used to characterise building materials. Providing of knowledge focused on the basic properties of individual groups of traditional building materials like stone, ceramics, mortars, wood, glass, metal, paint systems as well as their use in historical building structures is also included. Participants will have an overview of principles, goals, and methods used for the survey of historic buildings and their parts, especially in the context of building repair, conservation, or long-term care measures. The description will include standard non-invasive and invasive survey methods, interpretation, and the possibilities / limits of using the survey results. The knowledge should contribute also as a basis for the dialogue between the professions involved in the survey. Increasing of critical evaluation and comparison of use of modern and traditional materials is also part of the training. The participants should better understand the lifecycle of a historic building and how to optimize its maintenance and repair.

Module 4 Learning Outcomes

Training for: ALL TARGET GROUPS; mainly 3 groups - 1/ staff of monuments boards, 2/ architects and engineers, 3/ local/regional governments (but also opened for: 4/craftsmen - advanced, 5/ owners - experienced)

U6. Historic structures and building parts - failures, diagnostic methods, repair and conservation

In the introductory part, participants will receive a detailed information about historical building structures and their particular components. In addition, they will become familiar with the symptoms, characteristic manifestations of their damage and the main reasons / mechanisms of these damages. This knowledge will be followed by familiarization and critical evaluation of possible methods of maintenance and restoration of building structures and their parts. Participants will also gain knowledge about the main sources and consequences of the influence of damp and water-soluble salts as well as the possible measures to avoid/reduce their negative influence. Static problems of monuments are a separate chapter. Participants will learn their classification, risk assessment and basic recommendations for solving static/structural problems. Special attention will gradually be paid to the main groups of important components of historical buildings divided into logical blocks. Methods of ongoing maintenance of architectural monuments and its periodicity, main rules and priorities as an ideal system of preserving them will also be presented and discussed. By knowing these measures, participants can gain knowledge and arguments for the qualified care of historic buildings. The lectures will be illustrated with many practical examples, while emphasis will be placed on traditional methods as well as environmentally friendly solutions.

M5 Learning Outcomes

U7. Current requirements for building operation and use

Training for: ALL TARGET GROUPS; mainly 3 groups - 1/ staff of monuments boards, 2/ architects and engineers, 3/ local/regional governments (but also opened for: 4/craftsmen - advanced, 5/ owners - experienced)

Completion the module will contribute to get a basic overview of the current general and specific operative, safety and hygiene requirements of buildings according to the purpose of their use, while the main emphasis will be placed on compliance and application in the restoration of historic buildings. Possible structural solutions will be discussed, successfully implemented measures and positive examples will be presented. The heating of historical buildings will also be an important topic, from knowledge about historical types of heating systems to measures aimed at improving energy efficiency. The subject of lectures and critical discussion will also be the solution of the conflict between the historic values of the buildings and the current demands for their use.

M6 Learning Outcomes

Training for: ALL TARGET GROUPS; mainly 3 groups - 1/ staff of monuments boards, 2/ architects and engineers, 3/ local/regional governments (but also opened for: 4/craftsmen - advanced, 5/ owners - experienced)

U8. Aspects and methodology of reconstruction of selected types of building heritage

Different typological types of buildings require special methodological instructions for their proper conservation. Participants will learn about different methodological approaches and specifics of the protection/restoration of ruins, sacral architecture, former manor houses, bourgeois architecture, rural buildings, technical and industrial monuments, as well as modern architecture. A special part of the module is also the provision of basic knowledge focused on the protection and specifics of archaeological monuments. Special attention is paid to the rules of care for historical parks, gardens and landscape units. In addition to the methodology of care and restoration of individual groups of buildings, changes to their original function will also be discussed, including the definition of acceptable limits during restoration according to the rules/standards of current monuments care.

M7 Learning Outcomes

Training for: ALL TARGET GROUPS – Restrictions: only craftsmen with experience or trained on module M9, private owners trained on module M11

U9 Built Heritage in Urban Planning and Development

Introduction to the aims of presentation of built heritage – participants will have an understanding of the various methods of transmitting the significance of built heritage and the principles of work with the originals. They will be aware of the strategies and possibilities of passing the message/story of the heritage to the wider public as an important means of its protection and sustainability. Participants will learn about the important role of proper urban and territorial planning in relationship to heritage preservation. They will distinguish the various levels of planning and their impact on preservation strategies, the possibilities of negotiation and participation in urban development plans preparation. They will be informed about buffer zones – the characteristics, useful and needed parameters and possibilities of their implementation. Participants will understand the principles of modern interventions in historical environments – the relevant criteria and restrictions, regulations through examples provided by case studies. Especially infill architecture from the point of view of a crucial quality setter in historic environments and possibilities of control and planning in this respect shall be practically experienced by the participants in short exercises. Participants will have a basic knowledge of the different approaches and levels of intervention in relationship to appropriate use. They will be acquainted with relevant international recommendations and understand possible strategies through case studies as examples of successful use and reuse of buildings and sites. Special attention will also be paid to colour schemes as a means of interpretation and use in urban colour planning. Participants will have an overview of relevant fields of colour science necessary for understanding, analysing, recording and documenting historic colour schemes. They will become aware of the factors to be studied for making sound judgments and decision-making on colour choices as well as conceptual work with colours in relationship to values, authenticity and the interpretation of appearance on an urban scale.

U10 Management of heritage sites - planning and controlling heritage sites

The cycle of lectures with follow-up discussion in the form of seminars will focus on several thematic areas. In the introductory part, participants will be introduced to the current rules and procedures used for optimal management and planning in the field of cultural heritage as a whole and also within smaller territorial units at the level of municipalities, regions, or a set of monuments. This foundation will be followed by the thematic area of specific planning related to the so-called life cycle of building monuments and the necessary planning of long-term maintenance, the importance of implementing preventive measures. Within this section, the most common specific measures aimed at long-term care for historical buildings of various types will be discussed. Furthermore, participants will be introduced to the main principles of so-called risk management, which mainly includes strategic options for minimizing risks and also the main schemes of procedures in risky situations. An important part will also be the presentation of the main contemporary tools and possibilities for the promotion and interpretation of objects or larger units to experts and the wider public.

U11 Economic aspects

Lectures combined with discussion will enable participants to gain an overview of the importance and influence of cultural heritage on development at various levels, from regional to national, with an emphasis on economic benefit. Furthermore, models of planning and cooperation in the given area will be presented, including the presentation of examples of good practice and new trends. A very important thematic area of the given unit will also be the presentation and discussion on the current possibilities of financing restoration, long-term care of building monuments at the regional, national and international level.

U12 "Open" unit reflecting actual issues/topics / Excursion

Part of the "open" unit will be a tour of a selected building with an ongoing or recently completed renovation with an on-site expert discussion. The unit allows for the inclusion of current topics in the care of building monuments as part of the discussion.

M8 Learning Outcomes

Conservation and Development of Built Heritage - WORKSHOP in Project Preparation and Implementation

Training for: ALL TARGET GROUPS - trained in the modules M1 to M7 or being experienced; craftsmen trained on module M9, private owners trained on module M11

U13. Survey and documentation

Participants receive an overview of documentation and survey (archive survey and geodetic survey, architectural-historic, archaeological, restoration survey and art-historic survey, digital technologies in documentation of monuments). They learn the methods survey and documentation results are presented (Survey - "the room book" and construction phase plan) for the implementation of a conservation project.

U14. Built heritage conservation and development project - preparation and implementation

During a group work professions and skills needed in a built heritage project are examined. The participants learn the flow chart of project scheduling (process of permission, project implementation, site supervision and final on-site control - guidelines for the workshop U15)

U15. Practise - doing a virtual or real project preparation workshop

The participants create working groups consisting of the representatives of various professions and skills needed for their project. They evaluate missing skills and complementary advisers needed for the implementation.

Participant groups work, based on the implementation of a project based on the definition of a conservation goal (reflecting the type of use, survey results, regional aspects, reflecting the current building construction requirements). The working groups of different professions or members of different target groups are encouraged finding independent solutions. The group work should foster respect, understanding and cooperation of the different professions of the target groups.

U16. Dialogue among professionals and other stakeholders

The ability to find independent solutions is also matter of experience which cannot be trained, but the exchange of experience is an important part in training courses. Participants should learn to exchange experience and engage into discussion with other professionals and stakeholders, they should be integrated in the common environment in built heritage projects.

M9 Learning Outcomes

Traditional Built Heritage Crafts - introduction

Training for: craftsmen interested in working on heritage protected buildings, all other target groups as introduction to craft professions in built heritage

U17. Principles of built heritage protection

Introduction to monument law and the philosophy of monument preservation. A discussion on the basic values of authenticity and the value of old age. During a guided walk around the Kartause Mauerbach, participants will see different approaches, different conservation concepts and conservation goals. They will learn to evaluate and differentiate the different appearance of the architectural surfaces of historic buildings, different types of damage due to the influence of weather processes, intensive use, lack of maintenance and unsuccessful renovations, as well as completely intact building parts.

U18. Materials

Participants will get a general overview of traditional building materials used in historical buildings. There will also be a guided tour of the exhibition with various materials and structural elements. Emphasis will also be placed on distinguishing the surface of architecture as a result of traditional craft and modern techniques.

U19. Understanding of historic buildings

Participants will gain basic knowledge about the main physical properties of individual materials. They will learn to understand individual historical procedures and the life cycle of historical buildings. Participants will get basic information about the work of restorers and their role in caring for historic architecture.

U20. Practical work

Slaking lime in different methods, prepare and select aggregates (sand and gravel), mixing mortars, applying basic types of plasters, traditional lime washed surfaces.

Wood windows and wooden doors, repair and maintenance including window glass and window putty.

Preparation of traditional paints (lime paints, oil paints, casein paints, oil-casein paints, various traditional organic glues and paints), using suitable traditional tools for applying paints.

U21. Coordination of particular crafts and responsibility of these crafts in built heritage preservation

Participants will gain a basic understanding of the various craft professions in the field of architectural heritage and learn to coordinate their work on a construction site with other craft professions. Participants will be prepared for a dialogue with a number of other professions involved in the restoration of architectural heritage. They will be able to critically discuss the use of modern materials.

M10 Learning Outcomes

Methods of Conservation and Restoration of Built Heritage

Training for: ALL TARGET GROUPS; mainly for 1/ monuments board, 2/architects/civil engineers and 3/ craftsmen with experience in heritage preservation

U22. Basic principles and strategies

Participants will gain an overview of the current principles and approach applied in the conservation and restoration of various parts of historic buildings or their decoration. The knowledge will also include the methodology of preparation the restoration/conservation intervention as well as the current possibilities for control, evaluation and long-term monitoring of the realised measures.

U23. Conservation techniques / technologies for inorganic porous materials – stone elements, brick / terracotta, adobe

The aim is to provide basic up-to-date knowledge, overview, description of the key techniques and technologies used in conservation of inorganic materials as stone, ceramics and adobe. It includes methods of cleaning, measures against water soluble salts, consolidation, grouting, repair/ completion of missing parts and preventive measures. The gained knowledge should contribute also to better understanding of the possibilities, limits and potential risks of the restoration / conservation methods. Participants will also have the opportunity to obtain a basic practical experience in the frame of demonstrations of selected techniques.

U24. Conservation techniques / technologies for inorganic porous materials – architectural surfaces, plaster, mural painting

Similarly, as in U23 the aim is to provide basic up-to-date knowledge, overview, description of the key techniques and technologies used in conservation of inorganic materials as architectural surfaces, mural painting or sgraffito. The focus is on methods of cleaning, measures against water soluble salts, consolidation, grouting, repair mortars, retouchment and preventive measures. The gained knowledge should contribute also to better understanding of the possibilities, limits and potential risks of the restoration / conservation methods. Participants will also have the opportunity to obtain a basic practical experience in the frame of demonstrations of selected techniques.

U25. Conservation / restoration techniques / technologies for metal

Similarly, as in U23 and 24 the aim is to provide basic up-to-date knowledge, overview, description of the key techniques and technologies used in conservation of metal parts/elements of historical

buildings. The main focus is on cleaning, conservation, protection techniques and materials. Participants will also have the opportunity to obtain a basic practical experience in the frame of demonstrations of selected techniques.

U26. Conservation / restoration techniques / technologies for wood

Similarly, as in all previous blocks the aim is to provide basic up-to-date knowledge, overview, description of the key techniques and technologies used in conservation of wooden parts/elements of historical buildings. The main focus is on consolidation, conservation, protection techniques and materials. Participants will also have the opportunity to obtain a basic practical experience in the frame of demonstrations of selected techniques.

M11 Learning Outcomes

Private owners as a good managers of a historic building

Training for: private owners of buildings under heritage protection, owners of unprotected historic buildings and inexperienced staff of local and regional governments

U1 Sensing the Appearance of Buildings (“School of Seeing”– perception skills)

Participants will learn to better understand and evaluate the surface appearance of historic buildings prepared with traditional techniques. They visually recognize the differences between surfaces created by traditional and modern techniques/materials. Acquired perceptual skills will be learned to apply in practice. The discussion will also include specific buildings owned by the course participants.

U2 Understanding your buildings

Participants will gain knowledge about the most important properties of building materials and building structures and failures / characteristic damage of individual parts. Special attention will be paid to transport and moisture sources. Mistakes that often occur in the restoration of historic buildings will also be presented and discussed.

U3 Lifecycle and sustainability

Participants will be introduced to the main principles and strategies for the preparation and actual restoration of a historic building, including possible changes to its function. Attention will also be paid to the issue of long-term care and maintenance, as well as measures against moisture, as well as heating or thermal insulation systems. Part of the education will also be a presentation and critical discussion of specific cases of restoration of historic buildings. Participants can also discuss interventions they would like to carry out on their own building.

U4 Principles of built heritage protection

Participants will gain an overview of the main principles and goals of care for architectural heritage, the historic buildings' historic values, which should also contribute to their higher motivation to protect and properly care for their own historic buildings. They will have the necessary knowledge of legislation aimed at the protection of cultural, especially architectural, heritage. They will acquire the necessary knowledge about the possibilities of financing heritage-protected buildings, the possibility of consultation on the issues of restoration of historical buildings with representatives of historical institutions. They will learn to conduct a dialogue with other professions involved in the restoration of historic buildings.

