

Site Management Planning and Management of Conservation Projects for professionals

First draft programme for 2017

Hebron



2017

20 _ 21 March 2017 **UNIT ONE:** Course Opening and Introduction
 22 _ 23 March 2017 **UNIT TWO:** Introduction to Conservation Principles, Theory and History,
 Local & International context

Main Course Instructors: Christine Biggi (CB), Nuha Dandis (ND)
Opening Session: Fida Touma (FT), Imad Hamdan (IH)

| TIME | <i>Monday</i> 20 March | TIME | <i>Tuesday</i> 21 March | <i>Wednesday</i> 22 March |
|-------------|--|-------------|---|--|
| 10:00–10:30 | Registration | 9:00–9:30 | Introduction to levels of intervention and <i>mise en valeur</i> of historic buildings (CB) | Introduction to historic and architectural development in Old City of Hebron - (ND) |
| 10:30–11:15 | Official opening session with HRC (FT), (CB) & (IH) | 9:30–10:30 | | |
| 11:15–12:30 | Introduction and background to the course. Participants' introduction (CB) | 10:30–11:30 | Values (CB) | |
| 12:30–13:00 | | 11:30–12:00 | | |
| 13:00–15:30 | Participants' Presentations (10 min per PART) (CB) | 12:00–13:30 | Introduction to participants' group seminar (practical teamwork exercise) | Visual analysis of architectural development in Hebron (walk) Site visit: Selected buildings in Hebron Preliminary visual analysis of its architectural development (part of Participants' seminar) (ND) |
| | | 13:30–15:00 | Devising a statement of significance for a heritage place as basis for its conservation Task Assignment (CB) | |

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| LECTURE | SITE VISIT/DEMO | LAB SESSION | DISCUSSION/ PRESENTATION | SEMINAR - GROUP WORK (EXERCISE) | OTHER |
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Main Course Instructors: [Simone Ricca](#) (SR)

| TIME | <i>Sunday</i> 26 March | <i>Monday</i> 27 March | <i>Tuesday</i> 28 March |
|-------------|--|---|--|
| 9:00–10:30 | Architectural conservation - introduction and principles Introduction to traditional building techniques and materials (SR) | Site Visit to the assigned building Visual inspection and preliminary assessment (SR) Building materials and decay in the Old City of Hebron | Introduction to the stability of historic buildings(SR) |
| 10:30-11:30 | Introduction to the decay of historic materials and structures Preliminary analysis and visual inspection (SR) | Case-study: conservation project in the Old City of Hebron Traditional building materials and technology Restoration techniques & design (SR) | Vaults: geometry and drawing Arches ad Vaults: constructive techniques Vaults: stability and design (SR,) Closure and discussion with the students (SR) |
| 11:30-12:00 | | | |
| 12:00-13:30 | Walk with demos in Old City of Hebron Visit to an on-going rehabilitation project | Debate with students: architectural conservation, concept and practice (SR,) | |
| 13:30-14:30 | Visit to a completed project in the Presentation and discussion with the architects in charge and the students (SR) | | |
| 14:30-15:00 | | | |

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9 _ 11 April 2017

**UNIT FIVE: Site Management Planning and Management of Conservation Projects
Maintenance Programmes, Communication skills, Risk Preparedness**

Main Course Instructors: [Amra Hadžimuhamedović \(AH\)](#),

| TIME | <i>Sunday</i> 9 April | <i>Monday</i> 10 April | <i>Tuesday</i> 11 April |
|-------------|--|--|---|
| 9:00–9:30 | Theoretical issues: Values, authenticity, significance for the conservation of living heritage; sustainability and value-based approaches (AH) | Introduction to current approaches/ strategies in risk preparedness (AH) | Exercise the theoretical knowledge at the site designated for the case study (AH) |
| 9:30–10:30 | Management and monitoring in a World Heritage context (AH) | Introduction to maintenance management programmes, systems and policies (AH) | |
| 10:30–11:30 | Introduction to integrated urban conservation and management: site management and planning framework; (AH) | Discussion of participants' seminar (AH, PART) | |
| 11:30–12:00 | | | |
| 12:00–15:00 | Working with communities: Communication skills and conflict resolution for the protection of cultural heritage. (AH) | Discussion | |

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16 _ 19 April 2017 **UNIT FOUR, Part 5: Historic Structures: Assessing Structural Behaviour of Buildings**
Introduction to Structural Conservation

Main Course Instructors: [Ayman Herzalla](#)

| TIME | <i>Sunday</i> 16 April | <i>Monday</i> 17 April | <i>Tuesday</i> 18 April | <i>Wednesday</i> 19 April |
|--------------------|---|---|---|---|
| 9:00–9:30 | History of building techniques with reference to structures in Hebron and region – | Methods of investigating structural failures in historic buildings (AH) | Structural failures – experiences and challenges of deciding on appropriate interventions. Case studies by participants. (AH) | Strengthening historic structures – principles and approaches. (AH) |
| 9:30–10:30 | overview of typical features and principles (AH) | | | |
| 10:30–11:30 | Structural behaviour of historic buildings – theoretical introduction to understanding masonry buildings (AH) | Monitoring structural stability of historic buildings Principles, tools and techniques (AH) | Example(s) of structural problems and interventions – case studies. Visit and discussion (AH) | Analytical methods for historic structures: modelling and mathematical methods (AH) |
| 11:30–12:00 | | | | |
| 12:00–13:30 | Structural behaviour of historic buildings: understanding masonry structures (AH) | Site visit and discussion Investigating traditional structural building methods and deficiencies at selected buildings in Old Town of Hebron Visit and visual inspection (AH) | Principles of sound structural diagnosis (AH) | Strengthening historic structures – case studies (AH) |
| 13:30–15:00 | Discussion (AH) | | Principles of sound structural diagnosis. Discussion (AH) | Strengthening historic structures – case studies. Discussion (AH) |

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**1 _ 4 May 2017 UNIT FOUR: Heritage Documentation and Recording
Information Management**

Main Course Instructors: [Mario Santana Quantiero](#)

| TIME | Monday 1 May | Tuesday 2 May | Wednesday 3 May | Thursday 4 May |
|--------------------|--|--|---|--|
| 9:00–9:30 | Principles of documentation and recording for historic buildings and sites (MS) | Preparing an elevation for a condition survey (MS) Tools Introduction – | Update and final processing of measurements collected during the fieldwork (MS) | Finalizing Dossier(MS) |
| 9:30–10:30 | Appropriate tools / equipment and techniques for recording and documentation – overview according to criteria (MS) | Afternoon: Practice: 3D scanning and Total Station | Presentation of Group Work results (MS) | |
| 10:30-11:30 | Site documentation: techniques to prepare a site map, detailed recording and documentation (MS) | Practice: 3D scanning and Total Station (MS) | Documentation: processes in the conservation of historic buildings: case studies (MS) | |
| 11:30-12:00 | | | | |
| 12:00-13:30 | Strategy building for site documentation and field work (MS) | Documenting results of a condition survey, preparation of an elevation (MS)PART) | Documentation: processes in the conservation of historic buildings: case studies (MS) | presentation of dossier and discussion(MS) |
| 13:30-15:00 | Site plan preparation, demo and field work (MS) | | Appropriate approaches and choices in documentation and recording - discussion (MS) | |

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7 _ 9 May 2017

UNIT FOUR, Part 3: Humidity in Historic Buildings

Main Course Instructors: [Alessandro Massari \(ALM\)](#)

| TIME | <i>Sunday</i> 7 May | <i>Monday</i> 8 May | <i>Tuesday</i> 9 May |
|-------------|---|--|---|
| 9:00–9:30 | Humidity in historic buildings – overview of sources and types, indoor climate and environmental monitoring (ALM) | Humidity as a cause of decay mechanisms; Understanding the manifestations (ALM) | Introduction to conservation treatments of humidity in masonry, plaster and renders (ALM) |
| 9:30–10:30 | Investigation and identification methods, measuring tools and equipment - overview (simple and sophisticated) (ALM) | | Interventions / treatments of humidity problems in conservation and restoration – case studies (ALM) |
| 10:30–11:30 | | Demo / on-site exercise: Inspecting humidity and deterioration of stone buildings (PART's seminar) (ALM) | |
| 11:30–12:00 | | | |
| 12:00–13:30 | Measuring humidity and indoor climate conditions – demo (ALM) | Demo / on-site exercise: Inspecting humidity and deterioration of stone buildings (PART's seminar) (ALM) | Treatments of humidity problems in conservation and restoration – case studies discussion in Old City of Hebron (ALM) |
| 13:30–15:00 | | Discussion of demo / exercise results (ALM) | |

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Part 4: Conservation of Stone, Plaster and Mortar

Main Course Instructors:

| TIME | <i>Sunday</i> 30 October | <i>Monday</i> 31 October | <i>Tuesday</i> 1 November |
|--------------------|--|--|--------------------------------------|
| 9:00–9:30 | Introduction to the characterization of lime, mortar, renders / plaster and binders in general Features, requested performance determination Traditional and new products, performance and compatibility | Interventions in stone masonry: principles of replacement, patching with mortar, <i>anastylosis</i> , etc. | Practical exercise on mixing mortars |
| 9:30–10:30 | | Introduction to stone cleaning, salt extraction, and other treatments of stone walls | |
| 10:30–11:30 | Introduction to mortar setting types, grain size distribution, workability, shrinkage, and setting time | Practical Exercises: salt cleaning and use of poultices, grouting and consolidation of plaster and mortar | |
| 11:30–12:00 | | | |
| 12:00–15:00 | Sound diagnosis methods, deciding on material composition and intervention techniques Questions of compatibility | Introduction to the conservation of mortars and renders | |

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**Seminar on Participants' Course Work
Course Evaluation**

Main Course Supervisor: Christian Biggi (CB)

Presenting case Study on **25 May**

| TIME | 23 May (Christian Biggi Meeting with Participants) | 24 May (Christian Biggi Meeting with Participants) | 25 May (Presentations Day) |
|--------------------|--|---|--|
| 9:00–9:30 | Participants' finalization of project summaries and final power point presentations (CB) | Participants final project presentations(CB) | Final course evaluation |
| 9:30–10:30 | | | Final course evaluation and discussion |
| 10:30–11:30 | | | Presentation of summaries of participants group work (seminar) results |
| 11:30–12:00 | | | Closing ceremony |
| 12:00–15:00 | Participants' finalization of project summaries and final power point presentations(CB) | Participants final project presentations(CB) | |

LECTURE

**SITE
VISIT/DEMO**

LAB SESSION

**DISCUSSION/
PRESENTATION**

**SEMINAR - GROUP
WORK (EXERCISE)**

OTHER