

ERASMUS+ PROGRAMME Project Number: 610238-EPP-1-2019-1-JOEPPKA2-CBHE-JP

Project Title: traditional craft Heritage training, design and marketing in Jordan and Syria

Course Outline

Module 3 – Conservation of Architectural Heritage

Authors	Training and Technical Group (TTG) Scientific and Supervising Committee (SC)
WP Number	WP5 / DEVELOPMENT Make traditional crafts skills competency development an integrated part in Teaching
WP Leader	UNIFI
Course Offered by	ZUJ, HU, JUST, UJ, MU, ABU
Total number of pages	5

Project Coordinator

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Al-Zaytoonah
University of
Jordan



The University of Jordan



Jordan University of
Science and
Technology



The Hashemite University



Karmeh Design Studio



Tishreen
University



جامعة
المنارة
Manara University



Al-Baath University



World University Service
of the Mediterranean



Blue Room Innovation



CESIE



Università degli Studi di
Firenze



Università degli
Studi Guglielmo
Marconi



Technische Hochschule
Ostwestfalen-Lippe

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CONSERVATION of ARCHITECTURAL HERITAGE, COURSE SYLLABUS

Course Code		Course Title	CONSERVATION of ARCHITECTURAL HERITAGE	Cr.hr. ECTS	3 6
Class Room		Time			
		Semester			
Instructor(s)			Email:		Phone:
Office Hours	As assigned in instructors schedules on the system & in front of their offices doors				

COURSE DESCRIPTION: (ACCORDING TO THE CURRICULUM):

Review the definition of vernacular architecture and heritage and the history of its conservation and its evolution. Analysis of the planning process for the protection of historic areas and sites within the urban form of cities as part of its management. The importance of including historic areas and sites within the master plan of the city as sustainable development approach. Interpretation of the correlation of historic events and the value of historic sites. The integration between historic sites and their local communities.

Interpretation and presentation of historic areas in terms of traditional building craft elements for the public as a socio-economic development issue. Discover the value of local peoples' traditional built environments and craft technology, find inspiration in these buildings, and learn how to conserve them for future generations.

Handcrafts is an important issue that the course consider strongly by including workshops and seminars related to the adoption of handcrafts introduction to the modern local architecture. The coordination with local expertise in the field of handcraft making is also strongly considered. Different local building materials will be considered such as: wood and stone carving and geometrical patterns inspired from the local, Arab as well as Islamic architecture.

COURSE OBJECTIVE:

The objectives of this course are to help students:

1. Introduce basic knowledge of theory and history of preservation movement at the international and national levels.
2. Develop student's solid understanding of how strategies can be utilized in conservation through developing a practical framework based on theoretical lectures combined with practical project and homework assignments.
3. Offer to students' application for Conservation, with emphasis on methods of documentation and physical recording of heritage objects, buildings and sites.
4. Help students to analyze the logic and the nature of heritage conservation.
5. Exercise methods of evaluation in real projects.
6. The student will be introduced to current issues in local architecture research as well as research methods and thus become more aware of the contribution of new methods to local architecture.

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7. Understand the importance of conserving and preserving traditional craft techniques and materials for future generations

STUDENT PERFORMANCE CRITERIA:

Based on NAAB 2014 Student Performance Criteria for Accreditation:

- A.7 History and Global Culture: Understanding of the parallel and divergent histories of architecture and the culture norms of indigenous, vernacular, local, and regional settings in the terms of their political, economic, social, ecological, and technological factors.
- B.4 Technical Documentation: Ability to make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.

Based on HANDS Learning Outcomes:

- LO1: Demonstrate an understanding of the historical significance and cultural heritage associated with traditional crafts.
- LO8: Collaborate effectively with artisans, communities, and stakeholders to support the preservation and revitalization of traditional craft industries.
- LO16: Collaborate with artisans, practitioners, and communities involved in traditional crafts. This can foster mutual learning, cultural exchange, and the preservation of traditional craft practices.
- LO20: Understand the importance of conserving and preserving traditional craft techniques and materials for future generations. This may involve learning about methods for documentation, restoration, and maintenance of traditional craft objects and practices.

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COURSE CONTENT:

Week #	Topic	Type	Grading
W1	What is Heritage Conservation + Introducing First Assignment (Thinking about Heritage) Assignment #1	Project 1	Total 15%
W2	What is Documentation of Cultural Heritage? Examples on Heritage and Culture Heritage and Value + Introduction to Heritage Documentation Project 1: elements of traditional architecture / building craft documentation		
W3	local architecture and social aspects 1st Assignment Submission, presentations and discussions		
W4	Local architecture and Environmental values Preservation vs. Conservation + Main levels of intervention Introducing Second Assignment (Rethinking Your Heritage Case 5%)		
W5	Preservation Ethics + Conservation Terminologies		
W6	Second Assignment: continue presentations and discussions Project 2: elements of traditional architecture / building craft arabesque, mashrabia, and traditional motifs	Project 2	Total 15%
W7	Conservation Theory + Conservation Spatial Models		
W8	Conservation Tools		
W9	International Conservation Charters, Athens Charter 1933 Introducing third Assignment (Identifying Links to Heritage Conservation Resources 10%)		
W10	International Conservation Charters, Venice Charter 1964		
W11	International Conservation Charters, Burra Charter 1979		
W12	International Conservation Charters, the Nara Document - 1994		
W13	Working Tasks for Recording Heritage Structures		
W14	Documentation Group Project		
W15	Final submission for Project 2 and discussion		

* For each project: the specific schedule is within the project description.

GRADING:

- Grading will be based on class work and participation, and projects, assignments and quizzes. 60% of your total grade is the accumulation of grades earned on projects divided by two main projects, in addition to the final project (40%) as follow:

No.	Type	Start Week	Submit. Week	Weight
1	Assignments			10%
2	Mid exam	11	15	20%
	Project # 1:			15%
	Project # 2:			15%
	Final exam			40%
TOTAL				100%

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- All lectures and project demonstrations take place at the beginning of the class time and will not be repeated. When you are absent or late it is your responsibility to get the missed work from your classmate.
- **Portfolio and Documentation of Design Work:** Students are required to document all studio work in Digital copies of design work.

REFERENCES:

- **Text Book:**
 - Burns J. A. (Editor). Recording Historic Structures, 2nd Edition, Wiley, 2004.
- **Handouts:** To be introduced and handed to the students as needed.
- **Additional References:**
 - Feilden B., Conservation of Historic Buildings, Third Edition, Architectural Press, (2003).
 - Earl J., Building Conservation Philosophy, Third Edition, Donhead Publishing, (2003).
 - Weaver, M., Conserving Buildings: Guide to Techniques and Materials, Revised Edition, Wiley, (1997).
 - Ioannides M., Magnenat-Thalman N., Papagiannakis G. (eds.) - Mixed Reality and Gamification for Cultural Heritage-Springer (2017)
 - Kremers H., (Ed.) - Digital Cultural Heritage-Springer (2020)
 - Remondino F., Stylianidis E. (eds.) - 3D Recording, Documentation and Management of Cultural Heritage-Whittles Publishing (2016)
 - Bhabatosh Chanda B., Chaudhuri S., - Heritage Preservation A Computational ApproachSpringer (2018)
 - Tipnis, Aishwarya, “Vernacular traditions: contemporary architecture”, TERI publications, India, 2012.

ATTENDANCE POLICY:

Attendance policy:

- Attendance will be checked at each class and the university regulations will be strictly followed for student exceeding the maximum rate of absences.
- Late attendance will be considered as an absence.
- Late submissions will not be considered.
- Submissions without follow up with the direct instructor will not be evaluated.

CHEATING POLICY:

Cheating is not tolerated and against the university rules. Cheating will result in failing the course and reporting the incident to the dean of the college of architecture and design.

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List of Suggested Projects in Accordance with HANDS LOs

Week	Project / Task	points
2-3	<p>Project 1: Traditional motifs Description of Project 1: Decorative definitions: motifs, on wood or stone</p> <p>Project follow up</p> <ul style="list-style-type: none"> <input type="checkbox"/> Analyzing case studies, <input type="checkbox"/> Preparing full technical documentations 	
2-3	<p>Project 2: Elements of local traditional architecture Description of Project 2: Doors, Ceilings, Arches, and Mashrabias Lecture 1: Screens</p> <p>Project follow up</p> <ul style="list-style-type: none"> <input type="checkbox"/> Analyzing case studies, <input type="checkbox"/> Preparing full technical documentations <p>Functional Composition, Architectural style composition, Sequence of Experiences, Design Elements, construction working drawings details, 2D/3D Designs</p>	
2-3	<p>Project 3: Traditional architecture in contemporary design Description of Project 3: courtyard, furniture, and Geometric applications in craft work Lecture 1: Geometric Design</p> <p>Project follow up</p> <ul style="list-style-type: none"> <input type="checkbox"/> Analyzing case studies, <p>Functional Composition, Architectural style composition, Sequence of Experiences, Design Elements, construction working drawings details, 2D/3D Designs</p>	
2-3	<p>Project 4: Traditional vs contemporary architectural elements Description of Project 3: environmental solutions, based on real case structures</p> <p>Project follow up</p> <ul style="list-style-type: none"> <input type="checkbox"/> Analyzing case studies, <input type="checkbox"/> Preparing full technical detailed drawings for the proposed design <p>Functional Composition, Architectural style composition, Sequence of Experiences, Design Elements, construction working drawings details, 2D/3D Designs</p>	