

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 1 – Basic Design

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, UJ, HU, JUST, MU, ABU, TU
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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BASIC DESIGN 2, COURSE SYLLABUS					
Course Code		Course Title	BASIC DESIGN 2	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):

A design studio intended to introduce students to spatial design through basic design principles during course. It emphasizes the relation between the abstract geometric forms, which represent the idea and the actual architectural forms, spaces, functions, and circulation. The student will learn various methodologies used in the design process and expressing their ideas related to design values. Students will practice model building using different experimental materials to implement imaginative forms.

Formal attributes of three-dimensional visual designs. Analysis of three-dimensional visual compositions. Exercises on elements and principles of 3-D visual design through the creation of 3-D visual compositions. Exercises on mass compositions. Exercises on spaces composition. Exercises on interplay between mass and space. Introduces students to more contextual and formal complexity in space design. The course ends with basic three-dimensional architectural exercise.

COURSE OBJECTIVE:

The objectives of this course are to help students:

1. To increase students' understanding of architectural volume, mass and space,
2. To learn basic architectural and craft vocabulary and language,
3. To represent the space/volume by using the appropriate tools and materials,
4. To understand basic concepts and principles of the relationship between form, space and function,
5. To introduce students to functional design, functions relation, type of circulation and architectural design,
6. To design small scale project and manipulate space and function relationships,
7. To design a space including; plan, form, elevation and section using a scaled 3D model drawing tools,
8. To have the ability to represent design decisions through architectural drafting techniques.

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STUDENT PERFORMANCE CRITERIA:

Based on NAAB 2014 Student Performance Criteria for Accreditation:

- A.4 Architectural Design Skills: Ability to effectively use basic formal, organizational and environmental principles and the capacity of each to inform two- and three-dimensional design.
- A.5 Ordering Systems: Ability to apply the fundamentals of both natural and formal ordering systems and the capacity of each to inform two- and three-dimensional design.

Based on HANDS Learning Outcomes:

- LO2: Analyze the design principles and techniques specific to traditional crafts from different cultures and regions.
- LO11: Understanding the fundamental design principles such as balance, proportion, symmetry, rhythm, and harmony as they apply to traditional craft design. This includes understanding how these principles manifest in traditional craft objects.
- LO12: Explore creative expression and innovation within traditional craft design. This involve experimentation with materials, techniques, and forms to create contemporary interpretations of traditional crafts.

COURSE CONTENT:

Week #	Topic	Type	Grading
W1	Introduction of the course and warm-up project *		
W2	Development of warm-up project	Project 1	Total 20%
W3	Development of warm-up project		
W4	pre-final submission of warm-up project		
W5	final submission of warm-up project		
	Starting with project # 2*		
W6	Development for project # 2	Project 2	Total 40%
W7	Development for project # 2		
W8	Development for project # 2		
W9	Development for project # 2		
W10	Final submission of project # 2		
	Introduction of the final project *		
W11	Development for final project	Final Project	Total 40%
W12	Development for final project		
W13	Development for final project		
W14	Development for final project		
W15	Final submission of the final project according to the dep. Schedule		
* For each project: the specific schedule is within the project description.			

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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	Project # 1:	1	5	30%
2	Project # 2:	5	10	30%
TOTAL				60%
3	Project # 3: final project:	10	15	40%
TOTAL				100%

- 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:**
 - Ching, F.D., 2014. Architecture: Form, space, and order. John Wiley & Sons.D. Michelle Addington, (2005),
- References:**
 - Ching Francis D.K ,(1997), A visual Dictionary of Architecture, John Wiley & sons, Inc. N.Y.
 - VanDyke Scott(1990), From line to Design N.Y Von Nostrand Reinhold.
 - Heplev and Wallach, Architecture: Drafting and Design McGraw Hill International.
 - Ching, Francis D.K,(1990), Drawing: a creative Process, N.Y. Van Nostrand Reynolds.
 - Zelanski, Paul and Mary Pat Fisher,(1999), Colour, Herbert Press London.
 - Wong, Wcius,(1993), Principles of Form & Design, Wiley & Sons.
 - Wong, Wcius , Principles of Three-Dimensional Design. Wiley; 1st edition.
- Handouts:** To be introduced and handed to the students as needed.

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: Elements of Nature (Shell formations): Model + Poster Using CNC equipment at HANDS workshops Description of Project 1: Elements of Nature (Shell formations) Lecture 1: Shell Structure Lecture 2: Form & Space Project follow up</p> <ul style="list-style-type: none"> <input type="checkbox"/> Analyzing the suggested elements, <input type="checkbox"/> Use basic abstraction methods to applying the formative and structural aspects into their 3D stick model. <input type="checkbox"/> Beside the model, the student must present A3 sheet showing an analysis of the natural element he worked on, in terms of form and formality 	
2	<p>Project 2: Folded and Animated Planes (Grid + Model) Choosing the character of an artist, sculptor or jewelry maker, a craftsman</p> <ul style="list-style-type: none"> <input type="checkbox"/> Description of Project 2: Folded and Animated Planes 	
3	<p>Project (3): Craft Work choosing its detail from the second project Positive &negative Cube Lecture 3: Void and Solids (Positive &negative)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Description of Project (3): craft work / Positive &negative Cube (Grid + Model) 	
2-3	<p>Project 04: Art of Decoration and its Types Kiosk Design (Line, Plane, and Mass) Lecture 4: Geometry Rules of decoration / Geometric Decorations Decoration in Handcrafts</p> <ul style="list-style-type: none"> • Description of Project 04: Kiosk Design (Line, Plane, and Mass) <input type="checkbox"/> Model and Drawings 	
4	<p>Project 5: Using Traditional Elements in Home Design</p> <ul style="list-style-type: none"> <input type="checkbox"/> Description of the project: Functional Composition (studio design) and understanding nature of the project. <p>Phase 1 follow up: Case study discussion and feedback Phase 2 follow up: concept Design</p>	

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	<p>Phase 3 follow up: Design and development</p> <p>Functional Composition Architectural style composition Sequence of Experiences Design Elements 2D/3D Designs</p>	
	<p>Project 6: 3D Craft composition to contain (indoor and outdoor) functions</p> <ul style="list-style-type: none"> • Description of the project: to help students understand the notion of functional and spatial relationship bounded by form inspired by a traditional craft project analysis. The composition will be formed by applying design principles (repetition, rhythm, hierarchy, transformation, etc.) to enclose specific functions. <p>Students will design 2D and 3D compositions to reflect functional, structural, and spatial relationship of a craft project restricted by simple site force (existing manmade or natural feature such as trees, river, walking lane, etc.)</p>	