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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

Report on:
HANDS WORKSHOP
Craft society initiative
Geometry Design principles and its application on crafts

Event Type	HANDS WORKSHOP: Geometry Design principles and its application on crafts
WP Number	WP5
WP Leader	UNIFI
Event Date	19-20/8/2020
Number of Participants	19
Total number of pages	8

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
the world is only one creature
CESIE



Università degli Studi di
Firenze



Università degli
Studi Guglielmo
Marconi



Technische Hochschule
Ostwestfalen-Lippe



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EVENT DESCRIPTION

Event: HANDS WORKSHOP: **Geometry Design principles and its application on crafts**

Date: Wednesday, Thursday, 19-20/8/2020

Organizer: Craft society initiative/ Al-Zaytoonah University of Jordan

Location: Department of Architecture / Faculty of Architecture and Design (ZUJ)

As part of HANDS Activities, a two days face to face students training workshop Entitled "Geometry Design principles and its application on crafts " was Held on 19/8/2020 and 20/8/2020.

The workshop is initiated with the craft society presented by Miss. Hana Hijazi a specialist in Islamic geometry and as a representative of the craft community in this field.

This workshop presented the basics of virtuous geometry from a visual and technical standpoint. The focus was on the hexagonal pattern as the core shape from which all other proportions and shapes emerge, and it was defined. The participants in the workshop focused on the geometric methodology in establishing the hexagonal shape and the dodecahedron shape and their relationship. The participants learned the steps of drawing two of the mother shapes and learned about their applications in various cultural and artistic landmarks.

This workshop also presented the square shape as one of the primary basic shapes in design, and the participants learned about the geometric methodology in crystallizing the quadrilateral shape and the shapes emerging from it and defining the tile workmanship as one of the applied dimensions of this pattern.



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AGENDA



ERASMUS+ PROGRAMME

Project Number: 610238-EPP-1-2019-1-JOEPPKA2-CBHE-JP

HANDS

**Traditional Craft Heritage Training, Design and Marketing in Jordan
and Syria**

Workshop 1

for students from all Jordanian partner universities

Geometry Design principles and its application on crafts

Craft society initiative

Al-Zaytoonah University of Jordan

Amman-Jordan

August 19th - 20th, 2020



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author, and the Commission cannot be held responsible for any
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Venue: Faculty of Architecture and Design at ZUJ

Day 1 Wednesday, August 19, 2020	
09:00 – 09:30	Registration
09:30 – 10:00	Welcome to HANDS project by the General Coordinator of HANDS Project: Dr. Loai Dabbour HANDS in Brief: <ul style="list-style-type: none"> ❖ Goals and Objectives ❖ Expected results and impact
10:00 – 13:00	Geometry Design principles and its application on crafts: Hana Hijazi: Geometer, biomorphic designer
	Six-fold pattern: Design principles, tessellations and applications
10:00 – 13:00	<ul style="list-style-type: none"> - Introduction to the science of geometry and proportions. - Basic understanding of six-fold pattern construction, composition and its unfolding to twelve-fold pattern. - Six-fold design alternatives (tessellations). - Six-fold pattern applications into crafts
13:00 – 14:00	Coffee break

Day 2 Thursday, August 20, 2020	
9:30 – 10:00	Geometry: Symbolism and metaphysical dimensions by Dr. Loai Dabbour
10:00 – 13:00	Geometry Design principles and its application on crafts: Hana Hijazi: Geometer, biomorphic designer
	four-fold pattern: Design principles, tessellations and applications
10:00 – 13:00	<ul style="list-style-type: none"> - Basic understanding of four-fold pattern construction, composition and its unfolding to eight-fold pattern. - four-fold design alternatives (tessellations). - four-fold pattern applications into crafts
13:00 – 14:00	Coffee break
14:00 – 15:00	<ul style="list-style-type: none"> - Discussion - Evaluation - Recommendations
	Material and equipment will be provided by ZUJ to all participants: Campus, ruler, pencils (4H), colored pens (5), cutter, sanding paper, tracing paper, putter paper,

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ATTENDANCE SHEETS



“Geometry Design Principles and Its
Application on Crafts” Workshop
Al-Zaytoonah University of Jordan
August 19, 2020

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No.	Participants Name	Organization	Phone Number/Email	Signature
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No.	Participants Name	Organization	Phone Number/Email	Signature
9.	OMAR MAJDI NADA	ZUJ	0789080134	
10.	Batal Hikmat Abd El-Jaber	Hashemite University	0799739207	
11.	Takwa Mohammad Yahia Nwehri	The Hashemite University	0792025939	
12.	Hamzeh Abdel Razaq Nemer	Mabraq University of the Jordan	0780502881 hamzeh.mabraq87@gmail.com	
13.	FAYEZ ZAID AL-FAWARIS ALHAMAD	J.U.S.T.	0797066352	
14.	Ieen osama nemerabd-alkader	university of Jordan	0777941300	
15.	Batool Yousef Ghanem	ZUJ	0796207410	
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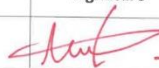


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No.	Participants Name	Organization	Phone Number/Email	Signature
17.	Anas Khelid Alnadi	J. U. S.T	+962788309360	
18.	Osama Yous ef Al-Majjar	Z. U. J	0785467795	
19.	Hossam ADIN ALSAIDI	Z.U.J	0795337460	
20.				
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CERTIFICATE OF PARTICIPATION

This certifies that

Omar Majdi Nada

Has successfully participated in the training workshop of HANDS project on “**Geometry Design principles and its application on crafts**”, which was held at Al-Zaytoonah University of Jordan (ZUJ), on August 19th – 20th, 2020



Dr. Loai Dabbour

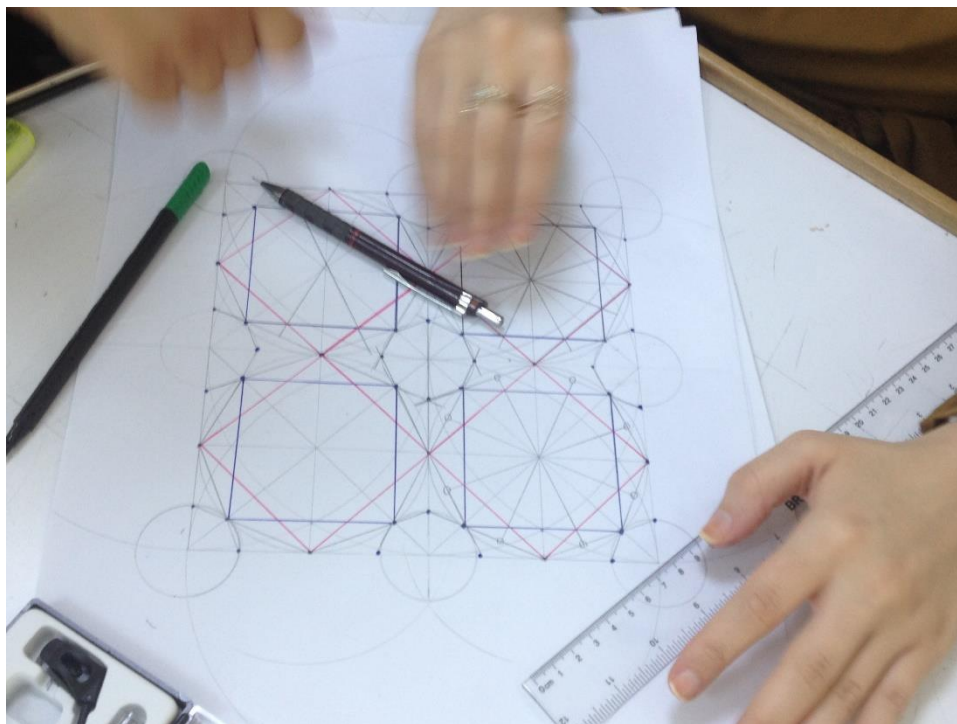
HANDS General Project Coordinator

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PHOTOS



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