



Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
	Number and Date of Revision or Modification	2023/10/15
	Deans Council Approval Decision Number	265/2024/24/3/2
	The Date of the Deans Council Approval Decision	2024/1/23
	Number of Pages	06

1.	Course Title	Conservation and Restoration of Artwork and Painting
2.	Course Number	2602440
3.	Credit Hours (Theory, Practical)	3
	Contact Hours (Theory, Practical)	3
4.	Prerequisites/ Corequisites	
5.	Program Title	BA in Cultural Resources Management and Conservation
6.	Program Code	02
7.	School/ Center	School of Archaeology and Tourism
8.	Department	Cultural Resources Management and Conservation
9.	Course Level	2
10.	Year of Study and Semester (s)	1st Semester 2024/2025
11.	Program Degree	BA
12.	Other Department(s) Involved in Teaching the Course	N/A
13.	Learning Language	Arabic
14.	Learning Types	<input checked="" type="checkbox"/> Face to face learning <input type="checkbox"/> Blended <input type="checkbox"/> Fully online
15.	Online Platforms(s)	<input checked="" type="checkbox"/> Moodle <input checked="" type="checkbox"/> Microsoft Teams
16.	Issuing Date	
17.	Revision Date	01/0/2025

18. Course Coordinator:

Name: Prof. Dr.Mahmoud Arinat
Contact hours: S,T,Th 11:30-12:30
Office number: 111
Phone number: 25038
Email: m.arinat@ju.edu.jo

**19. Other Instructors:**

Name: Dr.Mahmoud Arinat
 Office number: 25038
 Phone number:
 Email: m.arinat@ju.edu.jo
 Contact hours: S,T,Th 11:30-12:30
 Name:
 Office number:
 Phone number:
 Email:
 Contact hours:

20. Course Description:

As stated in the approved study plan.

This course aims to introduce students to the methods of conserving and restoring of artworks and painting such as mural and oil paintings. The course covers the technique used in the creation of these artworks, often found in archaeological and heritage sites. It also addresses the various forms of deterioration that affect these artworks and the appropriate methods their cleaning, conservation, restoration and protection. Additionally, the course includes practical training in both laboratory and field setting.

21. Program Intended Learning Outcomes: (To be used in designing the matrix linking the intended learning outcomes of the course with the intended learning outcomes of the program)

PILO's	*National Qualifications Framework Descriptors*		
	Competency (C)	Skills (B)	Knowledge (A)
Applies the principles of critical and objective thinking in addressing heritage protection issues.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Identifies and deeply understands problems and challenges, analyzing the complex aspects of heritage and influencing factors, providing comprehensive and detailed assessments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Develops innovation and entrepreneurship skills in the field of heritage resource management, exploring new opportunities for funding and development.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Engages and discusses effectively with local communities and groups interested in heritage, understanding the impact of heritage resources on cultural identity and community development.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



Identify, understands, and critically evaluates academic sources, articles, and research related to heritage and its management to extract main ideas and fundamental concepts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Listens attentively and focused to lectures and discussions, engaging with the presented content thoughtfully and comprehensively.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Selects and critically evaluates information and ideas, independently analyzing data and evidence.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Develops and identifies strategies for problem-solving, applying acquired concepts and skills in practical contexts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Utilizes various digital technologies and tools in managing, documenting, and conserving heritage resources, such as using electronic information management systems and imaging, documentation, and analysis techniques.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Innovates new and creative solutions to the challenges of heritage resource management and conservation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collects and comprehensively analyzes data and information, extracting main ideas and fundamental concepts.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Evaluates results, monitors performance, and analyzes data and information to determine the achievement of goals and identify areas needing improvement and development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Implements effective plans and strategies for managing heritage resources, organizing relevant activities and events.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

* Choose only one descriptor for each learning outcome of the program, whether knowledge, skill, or competency.

22. Course Intended Learning Outcomes: (Upon completion of the course, the student will be able to achieve the following intended learning outcomes)

Course ILOs #	The learning levels to be achieved						Competencies
	Remember	Understand	Apply	Analyse	Evaluate	Create	
K1. Understand the ancient technologies used to produce of Mural Painting .	K1	K1					Knowledge
K2. Know the basic principles of	K2	K2					Knowledge



Mural Painting conservation.							
S1. Know the steps of conserving Mural Painting	S1	S1					Skills
S2. Identify the deterioration factors that affect the Mural Painting .		S2					Skills
C1. Ability to document the Mural Painting .			C1	C1			Competency
C2. Determine all the Mural Painting conservation processes.			C2	C2	C2		Competency

23. The matrix linking the intended learning outcomes of the course -CLO's with the intended learning outcomes of the program -PILOs:

<div>PILO's</div> <div>*</div> <div>CLO's</div>	1	2	3	4	5	6	7	8	9	10	11	12	13	Descriptors**		
														A	B	C
K1. Understand the ancient technologies used to produce of Mural Painting .	*													*		
K2. Know the basic principles of Mural Painting conservation.	*													*		
S1. Know the steps of conserving Mural Painting									*						*	
S2. Identify the deterioration factors that affect the Mural Painting .												*			*	
C1. Ability to document the Mural Painting .												*				*
C2. Determine all the Mural Painting												*	*			*



conservation processes.																	
----------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

***Linking each course learning outcome (CLO) to only one program outcome (PLO) as specified in the course matrix.**

****Descriptors are determined according to the program learning outcome (PLO) that was chosen and according to what was specified in the program learning outcomes matrix in clause (21).**

24. Topic Outline and Schedule:

Week	Lecture	Topic	ILO/s Linked to the Topic	Learning Types (Face to Face/ Blended/ Fully Online)	Platform Used	Synchronous / Asynchronous Techniques	Evaluation Methods	Learning Resources
1	1.1	Overview and course identification of course		Face to Face		Synchronous	Assignments, participation, presentations and exams.	Text-based resources guest speakers, Mosaic experts
	1.2	History of Mural Painting	K1					
	1.3	Definition of Mural Painting	K1					
2	2.1	Mural Painting	K1					
	2.2	Mural Painting	K1					
	2.3	Mosaic types.	K1					
3	3.1	Ancient technologies used in Mural Painting production	K1					
	3.2	Ancient technologies used in Mural Painting production	K1					
	3.3	Ancient technologies used in Mural Painting production	K1					
4	4.1	Materials used in Mural Painting production.	K1+K2					
	4.2	Materials used in Mural Painting production.	K1+K2					
	4.3	Materials used in Mural Painting production.	K1+K2					



5	5.1	Deterioration factors and forms of Mural Painting	S1					
	5.2	Deterioration factors and forms of Mural Painting	S1					
	5.3	Deterioration factors and forms of Mural Painting	S1					
6	6.1	Mural Painting conservation and restoration methods	S1					
	6.2	Mural Painting conservation and restoration methods	S1					
	6.3	Mural Painting conservation and restoration methods	S1					
7	7.1	Documentation.	S1+S2					
	7.2	Documentation.	S1+S2					
	7.3	Documentation.	S1+S2					
8	8.1	Examination and diagnosis.	S1+S2					
	8.2	Examination and diagnosis.	S1+S2					
	8.3	Examination and diagnosis.	S1+S2					
9	9.1	Cleaning	S1+S2					
	9.2	Cleaning	S1+S2					
	9.3	Cleaning	S1+S2					
10	10.1	Consolidation.	S1+S2					
	10.2	Consolidation.	S1+S2					
	10.3	Consolidation.	S1+S2					
11	11.1	Protection	S1+S2					
	11.2	Protection	S1+S2					
	11.3	Protection	S1+S2					
12	12.1	Maintenance and monitoring.	S2+C1					
	12.2	Maintenance and monitoring.	S2+C1					
	12.3	Maintenance and monitoring.	S2+C1					
13	13.1	Detachment methods of Mural Painting	C2					
	13.2	Detachment methods of Mural Painting	C2					
	13.3	Detachment methods of Mural Painting	C2					



14	14.1	Detachment methods of Mural Painting	C2					
	14.2	Detachment methods of Mural Painting	C2					
	14.3	Detachment methods of Mural Painting	C2					
15	15.1	Reports discussion	K1+K2+C2+S1+S2					
	15.2	Reports discussion	K1+K2+C2+S1+S2					
	15.3	Reports discussion	K1+K2+C2+S1+S2					

25. Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

Evaluation Activity	*Mark wt.	CILO's					
		K1	K2	S1	S2	C1	C2
First Exam	30	*	*				
Second Exam –If any							
Final Exam	50	*	*	*	*	*	*
**Class work							
Projects/reports	20	*	*	*	*	*	*
Research working papers							
Field visits							
Practical and clinical							
Performance Completion file							
Presentation/ exhibition							
Any other approved works							
Total 100%	100						

* According to the instructions for granting a Bachelor's degree.

**According to the principles of organizing semester work, tests, examinations, and grades for the bachelor's degree.



Mid-term exam specifications table*

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CILO/ Weight	CILO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										K1
										K2
										S1
										S2
										C1
										C2

Final exam specifications table

No. of questions/ cognitive level						No. of questions per CLO	Total exam mark	Total no. of questions	CILO/ Weight	CILO no.
Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30					
										K1
										K2
										S1
										S2
										C1
										C2

26. Course Requirements:

(e.g.: students should have a computer, internet connection, webcam, account on a specific software/platform...etc.):

Internet, MS teams

**27. Course Policies:**

A- Attendance policies:
 B- Absences from exams and submitting assignments on time:
 C- Health and safety procedures:
 D- Honesty policy regarding cheating, plagiarism, misbehavior:
 E- Grading policy:
 F- Available university services that support achievement in the course:
 All of the mentioned policies and requirements will be followed in all potential cases according to the university regulations and procedure.

28. References:

A- Required book(s), assigned reading and audio-visuals:

B- Recommended books, materials, and media:

Lee, Na Ra, Yeong Gyeong Yu, and Hwa Soo Lee. "Study on the Characteristics of Materials and Manufacturing Techniques for the Mural Paintings in Daeunjeon at Ssanggyesa Temple, Jindo." *Journal of Conservation Science* 37, no. 6 (2021): 701–11.

<http://dx.doi.org/10.12654/jcs.2021.37.6.09>.

Sana, Ashraf T. "KERALA MURAL ART AND ITS TRADITIONAL PROCEDURES TO PAINT ON WALLS BY USING NATURAL MATERIALS." *International Journal of Interdisciplinary Research in Arts and Humanities (IJIRAH)* 5, no. 2 (2020): 4–8. <https://doi.org/10.5281/zenodo.4013959>.

https://www.getty.edu/research/exhibitions_events/events/murals/index.html

29. Additional information:

--

Name of the Instructor or the Course Coordinator: Prof. Mahmoud Arinat	Signature:	Date: 22/10/2025
Name of the Head of Quality Assurance Committee/ Department	Signature:	Date:
Name of the Head of Department	Signature:	Date:
Name of the Head of Quality Assurance Committee/ School or Center	Signature:	Date:



Name of the Dean or the Director	Signature:	Date:
---	---------------------	----------------