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**	Special Topics in Conservation and Restoration
2.	**Course Number**	2602444
3.	**Credit Hours (Theory, Practical)**	3
	Contact Hours (Theory, Practical)	3
4.	**Prerequisites/ Corequisites**	None
5.	**Program Title**	Cultural Resources Management and Preservation
6.	**Program Code**	02
7.	**School/ Center**	Archaeology and Tourism
8.	**Department**	Cultural Resources Management and Preservation
9.	**Course Level**	2nd year
10.	**Year of Study and Semester (s)**	2024/2025
11.	**Program Degree**	BA in CRM
12.	**Other Department(s) Involved in Teaching the Course**	None
13.	**Learning Language**	
14.	**Learning Types**	■Face to face learning ☐Blended ☐Fully online
15.	**Online Platforms(s)**	☐Moodle ☐Microsoft Teams
16	**Issuing Date**	9/2018
17.	**Revision Date**	9/2024

18. Course Coordinator:

Name: Dr. Yazan Al-Tell	Contact hours: 11-12 Sun-Tue-Thu
Office number:	Phone number: 0799153303
Email: y.altal@ju.edu.jo	

19. Other Instructors:

Name: Yazan Al-Tell
Office number:
Phone number:0799153303
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Contact hours: 11-12 Sun-Tue- Thu
Name:
Office number:
Phone number:
Email:
Contact hours:

20. Course Description:

As stated in the approved study plan. This course provides an opportunity to address issues related to recent developments in the field of conservation and restoration of antiquities. Students are guided to research these issues using all available scientific methods, and they are discussed in a way that allows students to develop self-analysis skills, the course includes practical and field applications to assess how current practices align with the latest advancements in the field.

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)**
Distinguishing between maintenance, restoration, and conservation.	☐	☐	☒
Identifying institutions working in Jordan to protect, maintain, and develop the science of	☐	☐	☒

archaeological conservation.			
Being able to gather the necessary information in the field of archaeological conservation and how to begin working on it.	☐	☐	☒
- Establishing a social network of relationships that contribute to supporting this sector	☐	☒	☐

* 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	
1. Distinguishing between maintenance, restoration, and conservation	X	X					knowledge
2. Identifying institutions working in Jordan to protect, maintain, and develop the science of							

archaeological conservation.							
3. Being able to gather the necessary information in the field of archaeological conservation and how to begin working on it.				**X**		**X**	
4. Establishing a social network of relationships that contribute to supporting this sector.			**X**		**X**		**knowledge**
5.							

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

PILO's * / CLO's	1	2	3	4	5	Descriptors**		
						A	B	C
1	X		X			X		
2			X			X		
3	X			X			X	
4		X		X			X	
5								X

6								
7								
8								

***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 Lecturing	Evaluation Methods	Learning Resources
1	1.1	Principles and Ethics of Conservation and Restoration	K1					
	1.2	Historical Development of Conservation Theory: From Viollet-le-Duc to the Venice Charter	K2					
	1.3	International Charters & Standards (UNESCO, ICOMOS, ICCROM)	K1					
2	2.1	Values-Based Conservation and Heritage Significance Assessment	K1					
	2.2	Heritage Diagnostics: Principles of	C1					

		Deterioration and Material Decay						
	2.3	Stone Conservation: Weathering, Salt Crystallization, and Consolidation Techniques	C1					
3	3.1	Earthen Architecture Conservation: Mudbrick, Rammed Earth, and Plasters	C2					
	3.2	Metal Conservation: Corrosion Mechanisms and Stabilization Methods	S1					
	3.3	Wood Conservation: Biological Deterioration, Consolidants, and Climate Control	S1					
4	4.1	Glass and Ceramics: Breakage, Glaze Decay, and Adhesives	K1					
	4.2	Mortars, Plasters, and Historic Binders: Lime, Gypsum, Pozzolans	K2					
	4.3	Textile Conservation: Fibers, Dyes, and Preventive Storage	K1					
5	5.1	Paper, Manuscripts, and Archival Materials: Acidity, Foxing, and Deacidification	C1					
	5.2	Painted Surfaces: Wall Paintings, Icons, and Pigment Stability	C1					
	5.3	Material Characterization Techniques: XRF, XRD, SEM, FTIR	C2					

6	6.1	Digital Documentation and 3D Recording (Photogrammetry, LiDAR, HBIM)	S1					
	6.2	Environmental Monitoring and Climate Control in Museums & Sites	C2					
	6.3	Non-Destructive Testing (NDT): GPR, Infrared Thermography, Ultrasonics	S1					
7	7.1	Non-Destructive Testing (NDT): GPR, Infrared Thermography, Ultrasonics	S2					
	7.2	Non-Destructive Testing (NDT): GPR, Infrared Thermography, Ultrasonics	S1					
	7.3	In-Situ Conservation of Archaeological Sites	S2					
8	8.1	In-Situ Conservation of Archaeological Sites	S1					
	8.2	In-Situ Conservation of Archaeological Sites	S2					
	8.3	Excavation and Post-Excavation Conservation Protocols	S1					
9	9.1	Excavation and Post-Excavation Conservation Protocols	C1					
	9.2	Excavation and Post-Excavation Conservation Protocols	S2					

	9.3	Buried Artefact Stabilization: Metals, Organics, and Ceramics	S1					
10	10.1	Buried Artefact Stabilization: Metals, Organics, and Ceramics	C1					
	10.2	Buried Artefact Stabilization: Metals, Organics, and Ceramics	K2					
	10.3	Submerged and Underwater Archaeological Conservation	K1					
11	11.1	Submerged and Underwater Archaeological Conservation	K2					
	11.2	Structural Conservation of Historic Buildings	K1					
	11.3	Structural Conservation of Historic Buildings	K2					
12	12.1	Seismic Strengthening for Heritage (Traditional & Modern Approaches)	K2					
	12.2	Seismic Strengthening for Heritage (Traditional & Modern Approaches)	K2					
	12.3	Seismic Strengthening for Heritage (Traditional & Modern Approaches)	K2					
13	13.1	Conservation of Historic Urban Landscapes (HUL Approach)	K2					

	13.2	Conservation of Historic Urban Landscapes (HUL Approach)	K2					
	13.3	Conservation of Historic Urban Landscapes (HUL Approach)	K2					
14	14.1	Adaptive Reuse of Heritage Buildings: Ethics and Techniques	C1					
	14.2	Adaptive Reuse of Heritage Buildings: Ethics and Techniques	C1					
	14.3	Salt Damage and Moisture Transport in Porous Materials						
15	15.1	AI, Machine Learning, and Predictive Tools in Conservation						
	15.2	AI, Machine Learning, and Predictive Tools in Conservation						
	15.3							

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					
		1	2	3	4	5	6
First Exam		X		X			X
Second Exam –If any			X	X			X
Final Exam		X			X		
**Class work		X			X		
Projects/reports			X	X			
Research working papers							

Field visits							
Practical and clinical							
Performance Completion file							
Presentation/ Exhibition							
Any other approved works							
Total 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					
1	1	1	4	2	1	10	100	100	10%	1
X	X						x		x	

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					
										1
										2
										3
										4
										5

26. Course Requirements:

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

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:

28. References:

A- Required book(s), assigned reading and audio-visuals:
Introduction to museums
B- Recommended books, materials, and media:
Museums as Agents of Change By Mike Murawski

29. Additional information:

Name of the Instructor or the Course Coordinator: ……yazan al-tell……	Signature: ……..……	Date: …13-12-2025…..……
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:
…….	……...……	……..……