The University of Jordan

الجامعة الاردنية

Form: Course Syllabus	Form Number	EXC-01-02-02A
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1.	Course Title	**Risk Management in Heritage**
2.	Course Number	2602220
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	☒Face to face learning ☐Blended ☐Fully online
15.	Online Platforms(s)	☒Moodle ☒Microsoft Teams
16	Issuing Date	
17.	Revision Date	07/12/2025

18. Course Coordinator:

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19. Other Instructors:

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20. Course Description:

As stated in the approved study plan.

This course aims to study how to identify, assess, and manage risks threatening cultural and natural heritage. It focuses on developing effective strategies to address potential risks, whether natural or human, to ensure the protection and preservation of heritage for future generations. The course includes key topics such as understanding the fundamental concepts of risk management and how to apply them in the context of cultural and natural heritage, learning how to identify and assess risks that may affect heritage, including natural hazards such as disasters, and human-related risks like pollution and neglect. And developing strategies and procedures to reduce the impact of risks on heritage, including preventive measures and damage reduction. In addition, training students to prepare emergency plans and rapid response strategies to handle crises affecting archaeological sites or heritage landmarks, ensuring their continued preservation. And exploring how modern technology, such as Geographic Information Systems (GIS), monitoring tools, and data analysis, can be used to manage risks, assess threats, and prioritize interventions. Also studying the importance of collaboration between various entities, including local authorities, non-governmental organizations, and academic institutions, to ensure effective risk management. And discussing ethical and technical challenges associated with risk management in heritage, such as intellectual property rights, privacy protection, and handling disputes.

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.	☐	☐	☒
Identifies and deeply understands problems and challenges, analyzing the complex aspects of heritage	☐	☐	☒

and influencing factors, providing comprehensive and detailed assessments.			
Develops innovation and entrepreneurship skills in the field of heritage resource management, exploring new opportunities for funding and development.	☐	☐	☒
Engages and discusses effectively with local communities and groups interested in heritage, understanding the impact of heritage resources on cultural identity and community development.	☐	☐	☒
Identify, understands, and critically evaluates academic sources, articles, and research related to heritage and its management to extract main ideas and fundamental concepts.	☐	☒	☐
Listens attentively and focused to lectures and discussions, engaging with the presented content thoughtfully and comprehensively.	☐	☒	☐
Selects and critically evaluates information and ideas, independently analyzing data and evidence.	☐	☒	☐
Develops and identifies strategies for problem-solving, applying acquired concepts and skills in practical contexts.	☐	☒	☐
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.	☐	☒	☐
Innovates new and creative solutions to the challenges of heritage resource management and conservation.	☒	☐	☐
Collects and comprehensively analyzes data and information, extracting main ideas and fundamental concepts.	☒	☐	☐
Evaluates results, monitors performance, and analyzes data and information to determine the achievement of goals and identify areas needing improvement and development.	☒	☐	☐
Implements effective plans and strategies for managing heritage resources, organizing relevant activities and events.	☒	☐	☐

* 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	

	Remember	Understand	Apply	Analyse	Evaluate	Create	Competencies
K1. Understand concepts and terminology of heritage risk management.	K1	K1					**Knowledge**
K2. Recognize natural and human risk types affecting cultural and natural heritage.	K2	K2					**Knowledge**
S1. Identify and assess potential threats to heritage sites.	S1	S1					**Skills**
S2. Use GIS and monitoring tools to evaluate vulnerability and prioritize interventions.		S2					**Skills**
C1. Evaluate emergency response plans and propose solutions for disaster scenarios.			C1	C1			**Competency**
C2. Design risk mitigation strategies and conservation response frameworks.			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:

PILO's * / CLO's	1	2	3	4	5	6	7	8	9	10	11	12	13	Descriptors**		
														A	B	C
K1. Understand concepts and terminology of	*													*		

heritage risk management.															
K2. Recognize natural and human risk types affecting cultural and natural heritage.	*												*		
S1. Identify and assess potential threats to heritage sites.								*						*	
S2. Use GIS and monitoring tools to evaluate vulnerability and prioritize interventions.											*			*	
C1. Evaluate emergency response plans and propose solutions for disaster scenarios.											*				*
C2. Design risk mitigation strategies and conservation response frameworks.											*	*			*

*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	Course orientation, structure & assessment		Face to Face		Synchronous	Assignments, participation,	Text-based resources

	1.2	Definition of heritage and types (cultural/natural)	K1			presentations and exams.	guest speakers, Mosaic experts
	1.3	Introduction to Risk Management in Heritage	K1				
2	2.1	Concepts & terminology in risk management	K1				
	2.2	Values of heritage & why protection matters	K1				
	2.3	Threats overview: natural + human risks	K1				
3	3.1	Natural risks (earthquakes, floods, climate)	K1				
	3.2	Human risks (war, vandalism, urban pressure)	K1				
	3.3	Case Study Analysis	K1				
4	4.1	Risk Identification Techniques	K1+K2				
	4.2	Hazard Mapping & Documentation	K1+K2				
	4.3	Field indicators & vulnerability signs	K1+K2				
5	5.1	Risk Assessment Methods	S1				
	5.2	Probability vs Impact Scale	S1				
	5.3	Prioritization of heritage risks	S1				

6	6.1	GIS & Remote Sensing in risk analysis	S1					
	6.2	Monitoring tools & digital sensors	S1					
	6.3	Data Collection & Interpretation	S1					
7	7.1	**Midterm Review Session**	K1– K2– S1–S2					
	7.2	**Midterm Exam**	Exam					
8	8.1	Emergency Preparedness Plans	S1+S2					
	8.2	Evacuation & salvage procedures	S1+S2					
	8.3	Field Response Teams	S1+S2					
9	9.1	Preventive Conservation Strategies	S1+S2					
	9.2	Mitigation Measures	S1+S2					
	9.3	Structural vs Non-structural measures	S1+S2					
10	10.1	Decision-making under risk	S1+S2					
	10.2	Stakeholder Analysis & Collaboration	S1+S2					
	10.3	Legal & ethical issues in risk management	S1+S2					

11	11.1	Post-Disaster Management	S1+S2					
	11.2	Damage Assessment & Reporting	S1+S2					
	11.3	Documentation for insurance & recovery	S1+S2					
12	12.1	Developing risk management plans	S2+C1					
	12.2	Cost Estimation & Budgeting	S2+C1					
	12.3	Community participation in risk mitigation	S2+C1					
13	13.1	Student Site Analysis Project	S2+C1					
	13.2	GIS/Mapping output discussion	S2+C1					
	13.3	Final Project Presentations	S2+C1					
14	14.1	Final Project Presentations	C2					
	14.2	Final Project Presentations	C2					
	14.3	Final Project Presentations	C2					
15	15.1	Course Wrap-up & Reflection	C2					
	15.2	Course Wrap-up & Reflection	C2					
	15.3	Course Wrap-up & Reflection	C2					

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:

Cesaro, G., Fakhoury, L., Paolini, A., Santana Quintero, M., Vafadari, A., Van Balen, K., & Vileikis, O. (2012). *Risk management at heritage sites: A case study of the Petra world heritage site*. UNESCO Publishing.

Atakul, N., Thaheem, M. J., & De Marco, A. (2014). Risk management for sustainable restoration of immovable cultural heritage, part 1: PRM framework. *Journal of cultural heritage management and sustainable development, 4*(2), 149-165.

29. Additional information:

Name of the Instructor or the Course Coordinator: Dr. Ruba Seiseh	Signature: …………..……………	Date: 7/12/2025
Name of the Head of Quality Assurance Committee/ Department ……………………………………………	Signature: …………..……………	Date: ……..…………
Name of the Head of Department Dr. Ruba Seiseh ……………………………………………	Signature: …………..……………	Date: ……..…………
Name of the Head of Quality Assurance Committee/ School or Center ……………………………………………	Signature: …………..……………	Date: ……..…………
Name of the Dean or the Director ……………………………………………	Signature: …………..……………	Date: ……..…………