The University of Jordan

الجامعة الاردنية

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
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	Number of Pages	06

1.	**Course Title**	Management of Natural Heritage
2.	**Course Number**	2602212
3.	**Credit Hours (Theory, Practical)**	3
	Contact Hours (Theory, Practical)	3 Theory
4.	**Prerequisites/ Corequisites**	N/A
5.	**Program Title**	Cultural Resources Management and conservation
6.	**Program Code**	02
7.	**School/ Center**	Archaeology and Tourism
8.	**Department**	Cultural Resources Management and Conservation
9.	**Course Level**	2d year
10.	**Year of Study and Semester (s)**	2025/2026 First & Second Semesters
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**	

18. Course Coordinator:

Name: Dr. Fuad Hourani	Contact hours: S,T,TH: 12:30-13:00 & M, W: 13:00-14:30
Office number:	Phone number: 25047
Email: f.hourani@ju.edu.jo	

19. Other Instructors:

Name:
Office number:
Phone number:
Email:
Contact hours:
Name:
Office number:
Phone number:
Email:
Contact hours:

20. Course Description:

This course introduces the concept, definitions and values of Natural Heritage and provides frameworks for understanding nature and its functioning and how to protect and manage its resources. A broad but comprehensive overview on the fundamentals of biodiversity as well as of terrestrial, marine and fresh water ecosystems will be given. Particular emphasis will be placed on the ecology and management of natural places and wildlife in Jordan.

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)
1. Applies the principles of critical and objective thinking in addressing heritage protection issues.	☐	☐	☒
2. Identifies and deeply understands problems and challenges, analyzing the complex aspects of heritage and influencing factors, providing comprehensive and detailed assessments.	☐	☐	☒
3. Develops innovation and entrepreneurship skills in the field of heritage resource	☐	☐	☒

management, exploring new opportunities for funding and development.			
4. Engages and discusses effectively with local communities and groups interested in heritage, understanding the impact of heritage resources on cultural identity and community development.	☐	☐	⊠
5. Identify, understands, and critically evaluates academic sources, articles, and research related to heritage and its management to extract main ideas and fundamental concepts.	☐	⊠	☐
6. Listens attentively and focused to lectures and discussions, engaging with the presented content thoughtfully and comprehensively	☐	⊠	☐
7. Selects and critically evaluates information and ideas, independently analyzing data and evidence.	☐	⊠	☐
8. Develops and identifies strategies for problem-solving, applying acquired concepts and skills in practical contexts.	☐	⊠	☐
9. 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.	☐	⊠	☐
10. Innovates new and creative solutions to the challenges of heritage resource management and conservation.	⊠	☐	☐
11. Collects and comprehensively analyzes data and information, extracting main ideas and fundamental concepts.	⊠	☐	☐
12. Evaluates results, monitors performance, and analyzes data and information to determine the achievement of goals and identify areas needing improvement and development.	⊠	☐	☐
13. 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)

	The learning levels to be achieved	

Course ILOs #	Remember	Understand	Apply	Analyse	Evaluate	Create	Competencies
K1: Demonstrate a solid understanding of the concept, notion and values of natural heritage.	√	√	√		√		**K**
K2: Use the wright terminology related to nature and natural places.	√		√				**K**
K3: Name the different Categories, areas and features of natural heritages	√			√			**K**
S1: Employ the necessary tools for natural places presentation, management planning and promotion.		√	√	√		√	**S**
S2: Apply international standards in the protection, conservation and management of natural heritage.			√	√	√		S
C1: Identify the various threats to natural heritage.		√			√		C
C2: Analyse the necessary conditions for natural heritage conservation.			√	√	√		C
C3: Demonstrate a solid understanding of biodiversity and its values.			√	√	√		C

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: Demonstrate a solid understanding of the concept, notion and values of natural heritage.		√	√					√						√		
K2: Use the wright terminology related to nature and natural places.		√		√							√			√		
K3: Name the different Categories, areas and features of natural heritages	√							√			√			√		
S1: Employ the necessary tools for natural places presentation, management planning and promotion.								√	√	√					√	
S2: Apply international standards in the protection, conservation and management of natural heritage.	√									√		√			√	
C1: Identify the various				√					√	√						√

threats to natural heritage.													
C2: Analyse the necessary conditions for natural heritage conservation.			√		√						√		√
C3: Demonstrate a solid understanding of biodiversity and its values.		√				√			√				√

*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	General framework: Concepts, definitions and basic principles of natural heritage	K1, K2	Face to face	Class room & Moodle	Sync.	Exams, Individual/Group presentations & Participation in class discussions	See references in section 28
	1.2							
	1.3							
2	2.1	Categories, features and areas of natural heritage.	K3	Face to face	Class room & Moodle	Sync.	Exams, Individual/Group presentations & Participation in class	
	2.2							
	2.3							
3	3.1							
	3.2							

4	3.3					discussions Exams,	
	4.1						
	4.2						
	4.3						
5	5.1	Natural heritage terminology	K2, K3				
	5.2						
	5.3						
6	6.1	Biodiversity and the ecosystems.	C1, C2, C3	Face to face	Class room & Moodle Class + field trip	Sync.	Exams, Individual/Group presentations & Participation in class discussions
	6.2						
	6.3						
7	7.1						
	7.2						
	7.3						
8	8.1	Pollution effects on the biodiversity and ecosystems	C1, C3				
	8.2						
	8.3						
9	9.1	Natural Places (reserves) in Jordan.	K2, S1 S1, S2				
	9.2						
	9.3						
10	10.1						
	10.2						
	10.3						
11	11.1	National and international Institutions and regulations in natural heritage.	S1, S2, C1	Face to face	Class room & Moodle	Sync.	Exams, Individual/Group presentations & Participation in class discussions
	11.2						
	11.3						
12	12.1						
	12.2						
	12.3						
13	13.1	Planning natural heritage Places	C1, C2, S1, S2	Face to face	Class room & Moodle	Sync.	Exams, Individual/Group presentations & Participation in class discussions
	13.2						
	13.3						
14	14.1	Students' presentations	C2, C3	Face to face	Class room & Moodle	Sync.	Written and oral presentations
	14.2						
	14.3						
15	15.1						
	15.2						
	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								
		K1	K2	K3	S1	S2	S3	C1	C2	C3
First Exam	30	√	√	√			√	√		
Second Exam –If any	5	√								
Final Exam	40	√	√	√	√	√	√	√	√	√
**Class work										
Projects/reports										
Research working papers										
Field visits										
Practical and clinical										
Performance Completion file										
Presentation/ exhibition	15								√	√
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		2			30%	K1
		1			1	2	30	6	20%	K2
			1	1		1			30%	K3
					1	1			20%	C1

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Final exam specifications table

Create %10	Evaluate %10	analyse %10	Apply %20	Understand %20	Remember %30	No. of questions per CLO	Total exam mark	Total no. of questions	CILO Weight	CILO no.
					1	1			10%	K1
	2					2			15%	K2
			1			1			10%	K3
2						2	50	11	10%	S1
1						1			10%	S2
			1			1			15%	S3
			1			1			10%	C1
	1					1			10%	C2
				1		1			10%	C3

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: As per the university rules

B- Absences from exams and submitting assignments on time: As per the university rules

C- Health and safety procedures: As per the university rules

D- Honesty policy regarding cheating, plagiarism, misbehavior: As per the university rules

E- Grading policy:

F- Available university services that support achievement in the course:

- JU Library

28. References:

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

- E-learning coarse page
- Management Planning for Natural World Heritage Properties. IUCN, 2008: World Heritage Studies

B- Recommended books, materials, and media:

1-Thomas, L. and Middleton, J., 2003: Guidelines for Management Planning of Protected Areas. Best practice protected area guidelines Series No 10. IUCN, Glant, Switzerland and Cambridge, UK.

2-Ontario Ministry of Natural Resources. March 2010. Natural Heritage Reference Manual for Natural Heritage Policies of the Provincial Policy Statement, 2005. Second Edition. Toronto: Queen's Printer for Ontario. 248 pp.

3-Verner, J.M. Morrison, and C.J. Ralph (eds.). 1986. Wildlife 2000: Modeling Habitat Relationships of Terrestrial Vertebrates. University of Wisconsin Press.

4-Gilberto Artioli. 2010 : Scientific methods and Cultural Heritage. Oxford University Press

5-Other references (in French and English) available upon request.

29. Additional information:

	Signature:	Date:
Name of the Instructor or the Course Coordinator: Dr. Fuad Hourani……………………………………	…………..………………	11/01/2026……..
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: ……..…………