



The University of Jordan

Accreditation & Quality Assurance Center

COURSE

1	Course title	Archaeology and Environment
2	Course number	2632312
3	Credit hours (theory, practical)	3 (theoretical)
	Contact hours (theory, practical)	3 (theoretical)
4	Prerequisites/corequisites	Not applicable
5	Program title	Bachelor's degree in Cultural Resources management and Conservation
6	Program code	20
7	Awarding institution	The University of Jordan
8	Faculty	Archaeology and Tourism
9	Department	Cultural Resources management and Conservation
10	Level of course	3 ^d year
11	Year of study and semester (s)	2015/2016 second semester
12	Final Qualification	Bachelor's degree
13	Other department (s) involved in teaching the course	Not applicable
14	Language of Instruction	Arabic, with systematic use of related English terminology
15	Date of production/revision	2013

16. Course Coordinator:

Course Coordinator: Dr. Fuad Hourani

Office numbers: 128

Office hours: Sunday Tuesday & Thursday: 11-13; Monday & Wednesday: 14-16

Phone number: 25034

email addresse: f.hourani@ju.edu.jo

17. Other instructors:

Office numbers, office hours, phone numbers, and email addresses should be listed.

18. Course Description:

As stated in the approved study plan.

This course introduces the concept of environmental archaeology and provides a comprehensive overview of past human interactions with the natural world. It includes a systematic review of the various natural elements that impact spatial distribution of human activities, development of his economy and the archaeological record. A background on the geological, zoological, climatological and botanical

approaches that account for the reconstruction of ancient environments and past human economy will be given.

19. Course aims and outcomes:

A- Aims:

To enable students in the understanding of:

1. The functioning of the various natural elements in site surrounding environments.
2. The impact of climate and environment changes on the trajectory of the past human societies.
3. The role of the different environmental factors in the deterioration of archaeological sites and finds.
4. The growing role of man in the deterioration of his environment.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

- 1- Show a better understanding of his surrounding environments
- 2- Learn the basic principles and concepts of Environmental Archaeology.
- 3- Learn how to determine the different environmental factors and to explain their processes.
- 4- Apprehend the specificity of the relationship between archaeology and the environment.
- 5- Know how to build the causal relation between factors and effects.
- 6- Be familiar with different work areas in the domains of environmental archaeology.
- 7- Describe the environment(s) of a given site or region.

20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
General framework: definitions, concepts and basic principles	1	Dr. Fuad Hourani	Understanding nature and the surrounding environments	Written exams & individual or group presentations	See section 25
Earth's history and ecology	2				
Spatial distribution of living beings and systems of interactions between species.	3-4				
Environmental framework of ancient human communities.	5				
Methods and techniques for reconstructing ancient environments	6-7				

Major climatic changes and environmental modifications during the Quaternary	8-9				
Roles of environmental changes in societal and economic transformations of past human communities	10-12			1- Considering the relationship between archaeology and the environment;	
Impacts of environmental factors on archaeological records	13			2- Building causal relation between factors and effects	
Evaluating the effects of past human communities on the environment	14				

21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

- 1- Lectures
- 2- Powerpoint presentations
- 3- Group discussions
- 4- Field trip(s)

22. Evaluation Methods and Course Requirements:

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

- Discussions on the field
- Written exams
- Presentations given by students

23. Course Policies:

A- Attendance policies: As per University rules.

B- Absences from exams and handing in assignments on time: As per University rules.

C- Health and safety procedures: As per University rules.

D- Honesty policy regarding cheating, plagiarism, misbehavior: As per University rules.

E- Grading policy:

- Midterm Exam: 30%
- Individual/Group presentations: 15%
- Participation in class discussions: 5%
- Final exam: 50%

F- Available university services that support achievement in the course:**24. Required equipment:**

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25. References:

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

B- Recommended books, materials, and media:

- 1- Karl W. Butzer. 2006: Archaeology as Human Ecology : Method and Theory for a Contextual Approach.
- 2- Dena F. Dincause. 2000: Environmental Archaeology: Principles and Practice. Cambridge University Press.
- 3- Paul Goldberg and Richard Macphail. 2005: Practical and Theoretical Geoarchaeology. Wiley-Blackwell
- 4- Elizabeth J. Reitz and Elizabeth S. Wing. 2008: Zooarchaeology (Cambridge Manuals in Archaeology). Cambridge University Press; 2d edition
- 5- Christine A. Hastorf. 1989: Current Paleoethnobotany: Analytical Methods and Cultural Interpretations of Archaeological Plant Remains (Prehistoric Archeology and Ecology series). University of Chicago Press; 2nd edition
- 6- Other references (in French and English) available upon request.

26. Additional information:

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Name of Course Coordinator: Dr. Fuad Hourani -----Signature: ----- Date:

-----Head of curriculum committee/Department: ----- Signature:

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature:

Dean: ----- -Signature: -----

Assurance

Copy to:
Head of Department
Assistant Dean for Quality

Course File