Form: Course Syllabus	Form Number	EXC-01-02-02A
	Issue Number and Date	2/3/24/2022/2963 05/12/2022
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	Number of Pages	11

1.	Course Title	Research Methodology in Heritage Conservation
2.	Course Number	2602300
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	07/01/2026

18. Course Coordinator:

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19. Other Instructors:

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20. Course Description:

As stated in the approved study plan.

The course includes two main parts, he first part deals with the selection of texts in English published in books or scientific articles specialized in the conservation and restoration of various artifacts and historical buildings, the management and development of archaeological sites, applied sciences and auxiliary sciences related to the preservation of cultural heritage, so that students study these texts and analyze the information.

While the second part of the course deals with studying the main steps in the methodology of scientific research in preserving cultural heritage and introducing students to tools for collecting data from specialized sources and references and how to analyze, classify and document them in order to write scientific reports on field work in archaeological sites, and reports on scientific procedures in Conservation laboratories.

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)**
Demonstrate foundational understanding of cultural resources and their relevance within different geographic and administrative contexts.	☐	☐	☒
Explain how cultural resources contribute to historical continuity and collective memory.	☐	☐	☒
Recognize the roles of international and national bodies involved in cultural resources governance.	☐	☐	☒
Describe global charters, conventions, and regulatory systems guiding cultural resources management.	☐	☐	☒

Interpret the multiple value dimensions of cultural resources, including social, economic, and educational aspects.	☐	☒	☐
Employ introductory techniques for recording, describing, and interpreting cultural resources.	☐	☒	☐
Compare alternative approaches for presenting and managing cultural resources in diverse contexts.	☐	☒	☐
Communicate heritage-related information clearly using appropriate professional and public-oriented formats.	☐	☒	☐
Demonstrate sensitivity to ethical issues and community perspectives in cultural resources decision-making.	☐	☒	☐
Organize cultural resources information using basic managerial and documentation tools.	☒	☐	☐
Analyze cultural resources to determine priorities for protection, presentation, or development.	☒	☐	☐
Integrate sustainability considerations into introductory cultural resources management planning.	☒	☐	☐
Gather and synthesize information from scholarly, institutional, and field-based sources.	☒	☐	☐

* 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. Explain the principles of scientific research in heritage conservation.	K1	K1					**Knowledge**
K2. Describe research methods used in the conservation of artifacts and historic buildings.	K2	K2					**Knowledge**
S1. Critically analyze scientific texts related to heritage conservation.	S1	S1					**Skills**

S2. Apply appropriate data collection tools in fieldwork and laboratory contexts.		S2					**Skills**
C1. Conduct basic independent research in heritage conservation			C1	C1			**Competency**
C2. Communicate research findings effectively in written and oral forms.			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. Explain the principles of scientific research in heritage conservation.	*													*		
K2. Describe research methods used in the conservation of artifacts and historic buildings.		*									*					
S1. Critically analyze scientific texts related to heritage conservation.									*						*	
S2. Apply appropriate data collection tools in fieldwork and laboratory contexts.												*			*	
C1. Conduct basic independent research in heritage conservation.											*					*
C2. Communicate research findings										*			*			*

effectively in written and oral forms.															

***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	Introduction to Research in Heritage Conservation.		Face to Face		Synchronous	Assignments, participation, presentations and exams.	Text-based resources guest speakers, Mosaic experts
	1.2	Research in heritage conservation and restoration.	K1					
	1.3	Ethics of research in cultural heritage.	K1					
2	2.1	Academic Sources in Heritage Conservation.	K1					
	2.2	Books and scientific journals in conservation studies.	K1					
	2.3	Evaluating the reliability of sources.	K1					
3	3.1	Reading and Analyzing Scientific Texts.	K1					
	3.2	Critical reading techniques.	K1					
	3.3	Comparative analysis of scientific studies.	K1					

4	4.1	Conservation and restoration of artifacts.	K1+K2					
	4.2	Conservation of historic buildings.	K1+K2					
	4.3	Management of archaeological sites.	K1+K2					
5	5.1	Applied and Auxiliary Sciences in Conservation.	S1					
	5.2	Material science and chemistry.	S1					
	5.3	Environmental sciences and deterioration factors.	S1					
6	6.1	Introduction to Scientific Research Methodology.	S1					
	6.2	Qualitative and quantitative research methods.	S1					
	6.3	Interdisciplinary approaches in conservation.	S1					
7	7.1	**Midterm Review Session**	S1+S2					
	7.2	**Midterm Exam**	Exam					
8	8.1	Research Questions and Objectives.	S1+S2					
	8.2	Formulating research questions.	S1+S2					
	8.3	Defining research objectives.	S1+S2					
9	9.1	Data Collection Methods in Heritage Research.	S1+S2					
	9.2	Field surveys and documentation.	S1+S2					

10	10.1	Archival research and historical records.	S1+S2					
	10.2	Laboratory data collection.	S1+S2					
	10.3	Observation and measurement tools.	S1+S2					
11	11.1	Data Analysis and Classification and Qualitative data analysis.	S1+S2					
	11.2	Quantitative data analysis	S1+S2					
	11.3	Classification and interpretation of results.	S1+S2					
12	12.1	Documentation and referencing.	S2+C1					
	12.2	Academic writing standards.	S2+C1					
	12.3	Citation and referencing systems.	S2+C1					
13	13.1	Writing Scientific Reports.	S2+C1					
	13.2	Structure of scientific reports.	S2+C1					
	13.3	Fieldwork reports for archaeological sites.	S2+C1					
14	14.1	Presenting Research Findings.	C2					
	14.2	Visual and written presentation methods.	C2					
	14.3	Communicating scientific results.	C2					
15	15.1	Final Review and Research Ethics.	C2					
	15.2	Review of research methodology steps.	C2					
	15.3	Ethical responsibility in heritage research.	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:

Li, W., Xie, Q., Ao, J., Lin, H., Ji, S., Yang, M., & Sun, J. (2025). Systematic review: a scientometric analysis of the status, trends and challenges in the application of digital technology to cultural heritage conservation (2019–2024). *npj Heritage Science*, *13*(1), 90.

Judijanto, L., & Malik, A. H. (2025). A Systematic Bibliometric Review of Cultural Heritage Conservation Research. *The Eastasouth Journal of Social Science and Humanities*, *3*(01), 66-79.

Li, W., Xie, Q., Ao, J., Lin, H., Ji, S., Yang, M., & Sun, J. (2025). Systematic review: a scientometric analysis of the status, trends and challenges in the application of digital technology to cultural heritage conservation (2019–2024). *npj Heritage Science*, *13*(1), 90.

Xia, J., Kang, J., & Xu, X. (2024). Global research trends and future directions in urban historical heritage area conservation and development: A 25-year bibliometric analysis. *Buildings*, *14*(10), 3096.

29. Additional information:

Name of the Instructor or the Course Coordinator: **Dr.Ruba Seiseh**	Signature: ……..……	Date: 10/01/2026
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: ……..……