

University of Mosul

جامعة الموصل



First Cycle – Four Levels – 240 ECTS

Bachelor's degree in Preservation of Antiquities and Manuscripts

الدورة الأولى - بكالوريوس الحفاظ على الآثار والمخطوطات - أربع سنوات - ٢٤٠ وحدة
اوروبية



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1. Vision & Mission Statement

Vision Statement

The Department of Preservation of Antiquities and Manuscripts seeks to occupy a leading position in the field of protecting, rehabilitating and maintaining archaeological and heritage buildings, as well as preserving archaeological artifacts and historical written manuscripts, not to mention documenting the tangible and intangible cultural heritage using the latest scientific methods and digital technologies in order to preserve it and then transfer knowledge to future generations, and to enhance the status of antiquities as a fundamental pillar of cultural, scientific and societal development

Mission Statement

2. Raising the scientific and research level in the field of archaeology and manuscripts, and preparing knowledgeable specialized personnel who work to protect and maintain the tangible and intangible cultural heritage, based on sound scientific foundations that keep pace with the development of education and scientific research. The department also seeks to promote local and national awareness of the importance of preserving the cultural heritage as part of the identity of the nation and humanity as a whole.

3. Program Goals

- Preservation and Restoration:

Conserving and restoring antiquities and manuscripts using modern scientific techniques to ensure their protection against natural decay factors and external hazards.

- Safe Preservation and Storage:

Preserving archaeological artifacts, manuscripts, and inscriptions in suitable environments that ensure their longevity and structural integrity.

- Digitization (Electronic Conversion):

Documenting and archiving antiquities and manuscripts into digital formats to guarantee their survival and facilitate access for researchers and interested parties.

- Community Awareness:

Enhancing public awareness regarding the significance of heritage and antiquities in shaping national identity and preserving the collective memory of the nation.

- Legislation and Institutional Support:

Contributing to the preservation of antiquities and manuscripts by preparing specialized scientific cadres operating within the framework of national laws and international charters.

4. Program Specification Overview

Programme code:	BSc-PRS	ECTS	240
Duration:	4 levels, 8 Semesters	Method of Attendance:	Full Time

The Bachelor of Humanities in Preservation of Antiquities and Manuscripts is a four-year undergraduate program designed in full compliance with the Bologna Process framework, comprising 240 ECTS credits distributed across eight semesters. The program follows the European Credit Transfer and Accumulation System (ECTS), where one ECTS equals 25 hours of student workload, encompassing lectures, laboratory sessions, field applications, self-study, and assessment activities.

The curriculum is structured to provide students with a comprehensive foundation in heritage conservation science, progressing systematically from fundamental concepts in archaeological principles, basic chemistry, materials science, and documentation methods during the first year, to specialized disciplines including organic and inorganic materials conservation, manuscript restoration, codicology, museology, and heritage management in subsequent years.

The program allocates 50% of credits to core conservation and restoration courses (modules), 20% to supporting sciences, legal frameworks, and elective modules allowing students to pursue specialized interests, and dedicates significant

emphasis to practical training with 30% of credits assigned to laboratory work, field conservation, restoration projects, and professional internships.

Students engage with modern teaching methodologies including interactive lectures, hands-on laboratory sessions, field trips to archaeological sites and museums, problem-based learning, and a capstone graduation research project that develops their scientific inquiry, diagnostic skills, and practical conservation capabilities.

The program's learning outcomes are aligned with international standards and charters, ensuring graduates acquire comprehensive knowledge of historical artifacts and manuscripts, master essential laboratory restoration techniques and diagnostic methodologies, develop critical thinking and decision-making skills in ethical preservation, and are prepared for diverse career pathways in museums, archaeological sites, manuscript centers, heritage institutions, and Ministries of Culture, or for pursuing advanced postgraduate studies nationally and internationally.

5. Program Learning Outcomes

4.1 Knowledge and Understanding (K)

K1. Interprets the historical and artistic characteristics of standing monuments and manuscripts across various cultural eras in Iraq (including ancient and Islamic periods), enabling the estimation of the age of artifacts, heritage buildings, and historic structures.

K2. Explains the chemical and physical nature of clay, metallic, and organic materials (such as paper and parchment) that constitute artifacts and manuscripts.

K3. Elucidates the theories, philosophies, and international charters of restoration (such as the Venice Charter, the World Heritage Convention, and the Burra Charter) adopted in the conservation of cultural heritage.

K4. Identifies the environmental, human, and biological factors causing the decay and deterioration of manuscripts and archaeological finds within the Iraqi environment.

K5. Demonstrates the fundamentals of occupational safety inside conservation laboratories, along with modern digital technologies used in 3D archiving and artifact examination.

4.2 Intellectual/Cognitive Skills (C)

C1. Operates efficiently within field and laboratory conservation projects, taking full responsibility for the safety and structural integrity of archaeological artifacts and manuscripts.

C2. Makes sound and responsible restoration decisions based on rigorous risk assessment, in strict compliance with international charters and ethics for cultural heritage preservation.

C3. Engages with cultural heritage under a high sense of national and ethical responsibility, adhering strictly to national legislation and international laws governing antiquities preservation.

C4. Manages emergency crisis and disaster situations (such as wars, fires, floods, or rapid environmental degradation) to safeguard museum collections and manuscript repositories.

C5. Designs strategic plans for sustainable preventive conservation within specialized institutions (museums, libraries, and heritage structures) grounded in green education principles, utilizing eco-friendly materials and techniques that minimize carbon footprint and ensure the long-term sustainability of cultural heritage for future generations.

C6. Produces comprehensive technical reports and evaluation studies on restoration and diagnostic outcomes—leveraging Artificial Intelligence (AI) technologies in the field—and presents them professionally to relevant archaeological authorities and institutions.

C7. Engages in continuous self-directed professional development to master emerging global technologies and keep pace with advancements in applied materials science for cultural heritage.

4.3 Practical and Professional Skills (P)

P1. Differentiates and classifies Mesopotamian historical eras and the various artistic styles of artifacts and manuscripts.

P2. Applies scientific methodologies and modern techniques to examine, analyze, and diagnose decay phenomena in organic and inorganic materials.

P3. Plans and executes conservation and restoration operations (both preventive and curative) for antiquities and manuscripts in accordance with international standards.

P4. Utilizes precise manual and technical skills in restoring and conserving archaeological finds and historical documents.

P5. Demonstrates proficiency in reading, editing, and scientifically documenting ancient manuscripts and historical Arabic scripts.

P6. Manages museums and heritage libraries, implementing safe display, storage systems, and optimal conservation environments.

P7. Adheres to local (Iraqi) and international laws and legislation pertaining to the protection of antiquities and cultural heritage.

P8. Employs information technology, digital archiving systems, and scanning technologies—including Artificial Intelligence (AI) tools—to construct comprehensive databases for manuscripts and archaeological sites.

P9. Collaborates effectively within multidisciplinary teams (comprising archaeologists, chemists, and engineers) on excavation and conservation projects.

P10. Upholds professional ethics and scientific integrity when handling human cultural heritage and safeguarding national identity.

P11. Prepares and clearly presents specialized scientific reports and academic research within the field of conservation and restoration.

P12. Pursues continuous self-development and lifelong learning to stay abreast of global advancements in materials science and applied geophysical techniques in archaeology.

4.4 General and Transferable Skills (T)

T1. Communicate complex conservation concepts and technical findings effectively in both English and Arabic to multidisciplinary teams and non-specialist audiences.

T2. Work collaboratively in multidisciplinary field and laboratory teams (archaeologists, chemists, and curators) and lead heritage preservation projects.

T3. Utilize advanced information technology, digital archiving software, and AI-driven tools for heritage database management and documentation.

T4. Manage time, laboratory resources, and project budgets effectively during conservation and field operations.

T5. Present technical reports, diagnostic studies, and restoration outcomes professionally using modern visual and digital communication tools.

T6. Search, critically analyze, and evaluate scientific literature in applied materials science, codicology, and heritage conservation.

T7. Demonstrate self-directed learning and continuous professional development to keep pace with emerging global technologies in cultural heritage preservation.

T8. Apply critical thinking and adaptive problem-solving skills to complex, real-world challenges in disaster response and emergency artifact stabilization.

6. Academic Staff

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7. Credits, Grading and GPA

Credits

University of Mosul/ College of Archeology is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 240, 30 ECTS per semester. 1 ECTS is equivalent to 25 hrs student workload, including structured and unstructured workload.

Grading

Before the evaluation, the results are divided into two subgroups: pass and fail. Therefore, the results are independent of the students who failed a course. The grading system is defined as follows:

GRADING SCHEME مخطط الدرجات				
Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	FX – Fail	راسب - قيد المعالجة	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required
Note:				
Note: Marks with Decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above. ملاحظة: سيتم تقريب العلامات العشرية التي تزيد أو تقل عن 0.5 إلى العلامة الكاملة الأعلى أو الأدنى (على سبيل المثال، سيتم تقريب علامة 54.5 إلى 55، بينما سيتم تقريب علامة 54.4 إلى 54). لدى الجامعة سياسة لا تسمح بـ "حالات الرسوب القريبة من النجاح"، لذا فإن التعديل الوحيد للعلامات الممنوحة من قبل المصححين الأصليين سيكون التقريب التلقائي الموضح أعلاه.				

Calculation of the Cumulative Grade Point Average (CGPA)

1. The CGPA is calculated by the summation of each module score multiplied by its ECTS, all are divided by the program total ECTS.

CGPA of a 4-year B.Sc. degree:

$$\text{CGPA} = [(1\text{st module score} \times \text{module ECTS}) + (2\text{nd module score} \times \text{module ECTS}) + (3\text{rd module score} \times \text{module ECTS}) + \dots + (\text{last module score} \times \text{module ECTS})] / 240$$

8. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 1111	Principles of Archaeology and Heritage	78	72	6	C	
PRS 1102	Principles of Ancient Arts	78	72	6	C	
PRS 1103	Introduction to Ancient Languages	48	52	4	S	
PRS 1114	History of Mesopotamia until the End of the Old Babylonian Period	63	62	5	S	
PRS 1105	Principles of Islamic Arts	78	47	5	S	
UOM 1011	The Arabic Language	33	17	2	B	
UOM 1040	Democracy and Human Rights	33	17	2	B	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 1201	Principles of Ancient Architecture	78	72	6	C	
PRS 1202	Principles of Conservation and Restoration of Monuments and Archaeological Artifacts	78	72	6	C	
PRS 1203	History of Mesopotamia until the End of the Sasanian Era	63	37	4	S	
PRS 1214	Introduction to the Rise of Ancient Civilizations	63	37	4	S	
PRS 1205	Principles of Islamic Architecture	63	62	5	S	
UOM 1021	English Language	33	17	2	B	
UOM 1031	Computer Skills	48	27	3	B	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
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PRS 2301	Principles of Regional Arts	78	72	6	C	
PRS 2312	Ancient City Sites and Fortifications	78	72	6	C	
PRS 2303	Geology	63	37	4	S	
PRS 2304	Archaeological Guidance and Tourism	78	47	5	S	
PRS 2305	Management and Marketing of Archaeological and Heritage Sites	78	47	5	S	
UOM 2022	English Language	33	17	2	B	
UOM 2050	Baath Party Crimes	33	17	2	B	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 2402	Principles of Regional Architecture	78	72	6	C	
PRS 2412	Sites and Fortifications of Islamic Cities	78	72	6	C	
PRS 2403	Anthropology	48	52	4	S	
PRS 2404	Principles and Techniques of Archaeological Surveying	48	52	4	S	
PRS 2405	Preservation of Antiquities and Heritage	63	62	5	S	
UOM 2022	English Language	33	17	2	B	
UOM 2023	Computer Skills	48	27	3	B	

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 3501	Maintenance of Historical Buildings	78	72	6	C	
PRS 3502	Introduction to Building Materials	78	72	6	C	
PRS 3503	Sustainability of Historical and Heritage Buildings	78	72	6	C	
PRS 3504	Documentation of Antiquities and Heritage	63	62	5	S	
PRS 3505	Fundamentals of Architecture and Engineering Drawing	48	52	4	S	
PRS 3506	Archaeological Texts in English	33	42	3	S	

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
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PRS 3601	Archaeological excavation techniques	78	72	6	C	
PRS 3602	Restoration theories	78	72	6	C	
PRS 3603	Tangible and intangible heritage	78	72	6	C	
PRS 3604	Building materials laboratory	63	37	4	S	
PRS 3605	Scientific research methodology	48	27	3	S	
PRS 3606	Strategies for preserving archaeological and heritage sites and artifacts	63	62	5	S	

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 4711	Graduation Research Project (Theory)	48	52	4	C	
PRS 4712	Conservation and Restoration of Organic Artifacts (Laboratory)	93	57	6	C	
PRS 4703	Management of Archaeological and Heritage Sites	78	72	6	C	
PRS 4704	Museology	63	62	5	C	
PRS 4705	Iraqi Antiquities Laws and International Conventions	78	72	6	C	
PRS 4706	Graduation Research Project (Practical)	48	27	3	S	

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Prerequisite
PRS 4811	Graduation Research Project (Practical)	48	52	4	C	
PRS 4812	Conservation and Restoration of Inorganic Artifacts (Laboratory)	93	57	6	C	
PRS 4803	Conservation and Restoration of Manuscripts	78	72	6	C	
PRS 4804	Manuscript Documentation	78	72	6	C	
PRS 4805	Ethics of Archaeological Practice	48	27	3	S	
PRS 4806	Museum Management	78	47	5	S	

9. Contact

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