

# Conservation Department

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Proposed courses required to obtain a bachelor's degree in  
Conservation according to the credit hour system  
142 credit hours  
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**First:** University Requirements (4 subjects – 12 hour)

No.	Subject	No. of units
Ur101	Arabic language (grammar & texts )	Three units
Ur102	English language (grammar & exercises)	Three units
Ur103	Human Rights	Three units
Ur104	Computer science	Three units

**Second :**faculty Requirements in common with all departments of the faculty (7 subjects - 21 hour)

No.	Subject	No. of unites
Gfr105	History of ancient Egypt	Three units
Gfr106	Archeology and Egyptian civilization	Three units
Gfr107	History of Islamic Egypt	Three units
Gfr108	Archeology and Islamic civilization	Three units
Gfr109	Principles of Treatment and conservation of organic antiquates	Three units
Gfr110	Principles of conservation of non-organic antiquates , architectural restoration and protection of archaeological sites and monuments	Three units
Gfr111	Egyptian Civilization and Archaeology in Greco-Roman Periods	Three units



### 3- Conservation and Restoration of Archaeological Buildings Program

#### Second Level

(37 Units)

(29 Units Compulsory Subjects + 8 Units Selective Subjects)

No.		Second Level Course Subjects	Units	Credit hours		Course Code	The prerequisite Course	The prerequisite Course Code
				Theoretical	Practical			
1	First Semester	Math (1)	2	2	--	CB201	---	---
2		History and Theories of Architecture (1)	2	2	--	CB202	---	---
3		Architectural Design (1)	3	1	4	CB203	---	---
4		Architectural Drawing and Descriptive Geometry	2	1	2	CB204	---	---
5		Physics	2	1	2	CB205	---	---
6		History and Theory of Cities	2	2	---	CB206	---	---
7		Minerals and Rocks	2	1	2	CB207	---	---
8		Selective subject	---	--	--	---	---	---
9	Second Semester	Math (2)	2	2	--	CB208	Math (1)	CB 201
10		History and Theories of Architecture (2)	2	2	--	CB209	History and Theories of Architecture (1)	CB 202
11		Architectural Design (2)	3	2	2	CB210	Architectural Design (1)	CB 203
12		Construction Drawings (1)	3	1	4	CB211	Architectural Drawing and Descriptive Geometry	CB 204
13		Surveying	2	1	2	CB212	---	---
14		Laws and regulations, charters and rules related to the cultural heritage and its protection	2	2	--	Gfr 112	---	---
15		Selective subject	---	---	---	---	---	---
16		Selective subject	---	---	---	---	---	---

**Third Level****(36 units)****(27 Units Compulsory Subjects + 9 Units Selective Subjects)**

No.		Third Level Course Subjects	Units	Credit hours		Course Code	The prerequisite Course	The prerequisite Course Code
				Theoretical	Practical			
1	First Semester	Construction Drawings (2)	3	1	4	CB301	Construction Drawings (1)	CB 211
2		Engineering Geology of Archaeological Sites	2	2	--	CB302	---	---
3		Structural Analysis of Archaeological Buildings (1)	2	2	--	CB303	---	---
4		Technical Fittings for Archaeological Buildings	2	1	2	CB304	---	---
5		Conservation and Restoration of Decorative Elements in Archaeological Buildings (1)	2	1	2	CB305	---	---
6		Restoration Techniques of Archaeological Buildings (1)	3	2	2	CB306	---	---
7		Selective subject	---			---	---	---
8		Selective subject	---			---	---	---
9	Second Semester	Soil Mechanics and Foundation	3	2	2	CB307	Engineering Geology of Archaeological Sites	CB 302
10		Properties and Testing of Materials	2	2	2	CB308	---	---
11		Restoration Projects Mobilization	1	1	--	CB309	---	---
12		Restoration Techniques of Adobe Buildings				CB310	---	---
13		Conservation and Restoration of Decorative Elements in Archaeological Buildings (2)	2	1	2	CB311	Conservation and Restoration of Decorative Elements in Archaeological Buildings (1)	CB 305
14		Structural Analysis of Archaeological Buildings (2)	2	2	--	CB312	Structural Analysis of Archaeological Buildings (1)	CB 303
15		Selective subject	---			---	---	---
16		Selective subject	---			---	---	---

Fourth level

(36 Units)

(26 Units Compulsory Subjects + 10 Units Selective Subjects)

No.		Third Level Course Subjects	Units	Credit hours		Course Code	The prerequisite Course	The prerequisite Course Code
				Theoretical	Practical			
1	First Semester	Scaffoldings and Safeguarding of Archaeological Buildings	2	1	2	CB401		
2		Quantifying of Building Works	2	2	--	CB402		
3		Applied Chemistry (1)	2	1	2	CB403		
4		Environmental Impacts on Archaeological Buildings	2	2	--	CB404		
5		Examination, Analysis and Dating of Artifacts	3	2	2	CB405		
6		Restoration Techniques of Archaeological Buildings (2)	3	2	2	CB406	Restoration Techniques of Archaeological Buildings (1)	CB 306
7		Selective subject	---	---	---	---	---	---
8		Selective subject	---	---	---	---	---	---
9	Second Semester	Site Management	2	1	2	CB407	---	---
10		Graduation Project	4	2	4	CB408	---	---
11		Applied Chemistry (2)	2	1	2	CB409	---	---
12		Topics on Archeological Conservation/Restoration in a European Language	2	2	--	CB410	---	---
13		Historic Cities and their Conservation Programs	1	1	--	CB411	---	---
14		Rehabilitation and development of historical / archaeological buildings and sites	1	1	--	CB412	---	---
15		Selective subject	---	---	---	---	---	---
16		Selective subject	---	---	---	---	---	---

**Selective Subjects for the Conservation and Restoration of Archaeological Buildings Program**

Course Code	Courses	Units	Credit hours		The prerequisite Course	The prerequisite Course Code
			Theoretical	Practical		
CB 1	Freehand Drawing	2	1	2	---	---
CB 2	Conservation and Treatment of Wooden Joints in Archaeological Buildings	3	2	2	---	---
CB 3	Conservation and Treatment of Metal Joints in Archaeological Buildings	3	2	2	---	---
CB 4	Conservation and Treatment of Stucco Joints in Archaeological Buildings	3	2	2	---	---
CB 5	Conservation and Treatment of Mosaics s in Archaeological Buildings	3	2	2	---	---
CB 6	Conservation and Treatment of Mural Paintings in Archaeological Buildings and Techniques of Alternative Supports	3	2	2	---	---
CB 7	Preventive Conservation in Archaeological Buildings	4	2	4	---	---
CB 8	Documentation of Archaeological Buildings	2	1	2	---	---
CB 9	Conservation of Underwater Monuments	2	2	---	---	---
CB 10	The effect of Microorganisms on Archaeological Buildings and their Methods of Prevention	3	2	2	---	---
CB 11	The effect of Insects and Plants on Inorganic Artifacts and their Methods of Prevention	3	2	2	---	---
CB 12	Mortars in Archaeological Buildings	2	1	2	---	---
CB 13	Decorative Cladding on Archaeological Walls	2	1	2	---	---
CB 14	Methods and Materials for Making Copies	2	1	2	---	---

The total number of hours required 144 hour