

Mosul University

الجامعة الموصل



Engineering College /Architecture Department

كلية الهندسة - قسم العمارة



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1. Mission & Vision Statement:

The Mission of Architecture Department:

The mission of the Department of Architecture is to complement the Faculty of Engineering and the University of Mosul by providing advanced higher education in various disciplines at all levels to produce more effective graduates who can contribute to the advancement of science. Community Economics and Science. Public; In addition to adhering to mental and professional ethical values Creating a stable environment for learning and intellectual creativity Respecting human rights Providing academic glide paths that contribute to the optimal use of environmental protection technologies and promoting the production of creative research is Providing the public with knowledge and technical advice Enhancing community institutions . Contributing actively to the community and providing building scientists capable of carrying out reconstruction work to the community and providing technical advice to meet community needs. On the one hand the adaptation of the city of Mosul and the development of Iraq as a whole with the times by preserving the cultural identity and values attached to the expression of ideas originating from the depths of the civilization of this ancient country. and the spirit and potential of the technology required. Moreover we live in an era of technological revolution and technological progress is accelerating in various fields of life.

The mission of the Department of Architecture complements the Faculty of Engineering and the University of Mosul by providing advanced higher education in various disciplines at all levels according to high standards that aim to more effectively qualify graduates to contribute to

socioeconomic knowledge and scientific development. Society; Also creation of a stable environment for learning and intellectual creativity keeping in view the observance of spiritual and professional ethical values as well as preservation of human rights towards the environment and optimal use of technology as well as provision of educational glide. Path that seeks to produce creative research that contributes to the building of a knowledge society and provides technical consultancy to provide communities with qualified scientifically competent technical personnel to provide technical advisory services to meet the needs of the community is

The Vision of Architecture Department:

The Department of Architecture at the University of Mosul is a leading school of architecture that contributes to the city sustainability by contributing to building a unique identity for the local urban environment by emulating local and international counterparts through its skills and expertise. Goals are achieved as part of being sexually targeted. The combination of originality and modernity Sustainable development based on ancient cultural heritage is pursued as a solid intellectual reference for urban sustainability and respect for international quality standards in accordance with modern scientific and technological developments.

2. Program Specification

Programme code:		ECTS	300
Duration:	5 levels, 10 Semesters	Method of Attendance:	Full Time

The Architectural Engineering Department of Mosul University is one of the eight scientific departments of the Faculty of Engineering established and started in 1978-1979 and the first group of the department graduated in 1982-1983 with a 5-year study period. Higher studies of the department started in 1996-1997 with the inauguration of Masters degree and continued till the current year 2022-2023. In addition to the scientific and educational activity of the department it actively contributes to the realization of a large number of projects and construction projects in the city of Mosul and beyond by providing consultancy in other fields at the university level and abroad. The department has also participated in numerous local architecture competitions and international seminars. In the academic year 2022-2023 the department now has a teaching staff of 58 people to cover micro-disciplines in the disciplines of architectural engineering including some engineers. And the department continues to provide its services through modern laboratories and events that meet the needs of students through a new department building last year under the supervision of the staff and the dean of the engineering faculty and the dean of Mosul University.

3. Program Goals

The strategic goals of the Department of Architecture are aligned with the vision of the University of Mosul and the Faculty of Engineering with a focus on playing a leading role in the engineering education process and producing an experienced generation capable of taking on responsibilities in and outside Iraq. Strive to achieve the goal of sustainable national development by promoting community service through various educational means and promoting the desired progress of full national awakening through sound scientific research. This is achieved through:

- Preparation of qualified personnel in various fields of knowledge as per high quality specifications.
- Promote scientific research in theoretical and applied sciences to promote trends related to development programs monitor global scientific developments and project future trends.
- Continued development of introductory and advanced courses in line with contemporary developments in methodology and technical understanding
- Participation in community service by developing direct and continuous contact with national institutions for scientific advice and continuing education programs
- Integrating architecture with various fields of engineering and building relationships with them as a basis for renaissance
- Emphasize the role of architecture in building society and restoring the human environment.
- Creation of a staff of architecture graduates and methods in accordance with scientific laws in the protection of heritage and inheritance in the

field of architecture and urban planning in urban design and interior and Landscape design.

- Implement a clear practical program focusing on sustainable technology details in line with developments in the developed world by providing a rules-based construction education program based on modern techniques in engineering and technology.
- Focus on the quality of academic courses in architecture through ongoing renewal of specialization course selection and preparation of self-evaluation reports aimed at academic accreditation.
- Strengthen the faculty of the Department of Architectural Engineering and increase the ratio of PhD degree holders compared to Master's degree holders.
- Interested in designing applied and applied scientific research projects to develop partnerships and relationships with recognized institutions and universities.
- Support the departments mission by developing the skills and abilities of alumni developing continuing professional education and maintaining relationships with them.

During the academic year students of the Faculty of Architectural Engineering prepare to practice engineering by acquiring knowledge and vocabulary from approved academic vocabulary to study architectural engineering related to various fields of knowledge as follows:



4. Student Learning Outcomes:

- An ability to distinguish, identify, define, formulate, and solve engineering problems by applying principles of engineering and mathematics
- The ability to produce engineering designs that meet desired needs within specified constraints by applying analysis and synthesis processes in the design process

- The ability to carry out appropriate measurements and test while ensuring quality, analyze and interpret results and ability to conduct engineering judgment on them to reach conclusions
- Ability to communicate effectively with a rang of people and editorially with various managerial levels
- The ability to recognize ethical and professional responsibilities in engineering and societal issues
- Ability to work collectively within the engineering team and meet deadlines within the ethics of the engineering profession

5.Academic Staff

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6. Credits, Grading and GPA

Credits

Mosul University is following the Bologna Process with the European Credit Transfer System (ECTS) credit system. The total degree program number of ECTS is 300 , 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: Marks 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.

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 5-year B.Sc. degree:

$$\text{CGPA} = [(1\text{st module score} \times \text{ECTS}) + (2\text{nd module score} \times \text{ECTS}) + \dots] / 300$$

7. Curriculum/Modules

Semester 1 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 111	Architecture Design and Graphic (1)	123	177	12.00	C	
ARC 112	Descriptive geometry & Engineering Drawing	93	57	6.00	S	
ARC 113	Art & Architecture	33	67	4.00	C	
ARC 114	Arabic Language	32	18	2.00	E	
ARC 115	Mathematics (1)	78	22	4.00	B	
ARC 116	Democracy & Human Rights	32	18	2.00	E	

Semester 2 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 121	Architecture Design and Graphic (2)	123	177	12.00	C	
ARC 122	Free Hand Drawing (1)	63	62	5.00	S	
ARC 123	Construction and Building Materials	48	52	4.00	C	
ARC 124	computer literacy	33	42	3.00	E	
ARC 125	Mathematics (2)	78	22	4.00	B	
ARC 126	English-Beginners(1)	32	18	2.00	E	

Semester 3 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 211	Architecture Design (1)	153	147	12.00	C	
ARC 212	History of Ancient Architecture	33	67	4.00	C	
ARC 213	Building Construction	33	92	5.00	C	
ARC 214	Crimes of Ba'ath Regime in Iraq	32	18	2.00	E	
ARC 215	Computer Architectural Drawing 2D	63	62	5.00	C	
ARC 216	English - Pre Intermediate	33	17	2.00	E	

Semester 4 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 221	Architecture Design (2)	153	147	12.00	C	
ARC 222	Free Hand Drawing (2)	63	37	4.00	S	
ARC 223	History of European Architecture	33	42	3.00	C	
ARC 224	Physics	63	37	4.00	S	
ARC 225	Computer Architectural Drawing 3D	48	52	4.00	C	ARC 215 Computer Architectural Drawing 2D
ARC 226	Science of Mechanics	33	42	3.00	S	

Semester 5 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 311	Architecture Design (3)	154	146	12.00	C	
ARC 312	Working Drawings (1)	78	47	5.00	C	
ARC 313	Computer Rendering Techniques	48	52	4.00	C	ARC 225 Computer Architectural Drawing 3D
ARC 314	Principles of Housing	33	42	3.00	C	
ARC 315	Reinforced Concrete Design	33	67	4.00	S	
ARC 316	English - Intermediate	33	17	2.00	E	

Semester 6 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 321	Architecture Design (4)	154	146	12.00	C	
ARC 322	Survey and Architectural Documentation	33	42	3.00	S	
ARC 323	Islamic Architecture	33	42	3.00	C	
ARC 324	Engineering Services (1)	33	42	3.00	S	
ARC 325	Working Drawings (2)	78	47	5.00	C	
ARC 326	Principles of Planning	33	67	4.00	S	

Semester 7 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 411	Architecture Design (5)	154	146	12.00	C	
ARC 412	Interior Design	78	72	6.00	C	
ARC 413	Theories of Architecture	33	42	3.00	C	
ARC 414	Steel Design	63	37	4.00	S	
ARC 415	Advanced Building Techniques	33	42	3.00	S	
ARC 416	English - Upper Intermediate	33	17	2.00	E	

Semester 8 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 21	Architecture Design (6)	154	146	12.00	C	
ARC 422	Regional Contemporary Architecture	33	42	3.00	C	
ARC 423	Theories of Urban Design	33	42	3.00	C	
ARC 424	Architectural Physics (2)	63	37	4.00	S	
ARC 425	Landscape Design	78	47	5.00	C	
ARC 426	Design Methodology and Programing	33	42	3.00	C	

Semester 9 | 30ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 511	Thesis of Architecture Design	122	28	6.00	C	
ARC 512	Architectural Conservation	33	42	3.00	C	
ARC 513	Estimation and specification	33	42	3.00	S	
ARC 514	Computer Aided Design Methods	33	42	3.00	C	
ARC 515	Urban Design	154	146	12.00	C	
ARC 516	Engineering Services (2)	33	42	3	S	

Semester 10 | 30 ECTS | 1 ECTS = 25 hrs

Code	Module	SSWL	USSWL	ECTS	Type	Pre-request
ARC 521	Graduation Project	152	198	14.00	C	ARC 511 Thesis of Architecture Design
ARC 522	Ethics and Proffecinal Practice	33	42	3.00	S	
ARC 523	Physics Laboratory	78	22	4.00	S	
ARC 524	Projects Management	33	42	3.00	S	
ARC 525	Sustainable Architecture	33	17	2.00	C	
ARC 526	Science of Statistics	63	37	4.00	S	

8. Contact

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