Ministry of Higher Education and Scientific Research

University of Technology

Department of Architecture

Baghdad-Iraq

Academic Study Plan

2020-2021

Postgraduate curriculum

(1)

Master's degree in:

Architectural Design, Urban Design ,

Architecture Technology

&

Doctorate Philosophy degree in Architecture

Introduction

The Department of Architecture stems with the vision, mission and goals of academic institution dedicated academy programs toward architectural education supported by modern mechanisms and techniques in order to build new Iraqi architectural reality which watch and have interest in the quality of output expected from graduate students by having all the benefit of the available opportunities on the level of the educational process pillars in order to achieve the goal of competence - Architecture Engineering- which seeks to put a comprehensive anchor structure where all intellectual- knowledge, methodological and applied dimensions for the fundamental lessons show, first and foremost architectural design by using the latest design technologies and methodologies in learning and education. hence came our vision in our understanding of the responsibility of scientific sobriety and how to support it down to explore the implementation tools of scientific specialization policy.

The Department of Architecture Engineering founded in 1977 within the University of Technology in Baghdad. Through its teaching philosophy and curricula, the Department of Architecture strives to develop a basis for a truly national architectural school that emphasizes the importance of inspiration from Iraq's architectural heritage with a sophisticated and contemporary approach in both architectural and urban scale. During the period 1977-2012, around 1900 architects graduated, many of them are now well-established in various state establishments and some have also become well-known on the Arab-world and international levels.

Our department excels in providing basic and advanced Architectural engineering education. It has been designed to provide a firm foundation across a wide breadth of activities that fall under the umbrella of Architectural Engineering. We offer courses in areas related to Architecture, Urban design, landscape, interior architecture, Structure, Environment, and Construction Engineering. The theoretical program and practical skills that students learn in their degree program give them a unique advantage after they complete their program.

The Master of Science (MSc) degree in Architectural Engineering established in 1986, it's intended to meet the needs of students who wish to prepare for careers and expertise in areas such as design and analysis, Buildings Technology, Critical Theory, Building and Environment, Urban design, Project Management, and research. The program also provides excellent preparation for doctoral studies, which established in our department in 1992, a PhD philosophy degree in architecture and urban studies for minimum three years length and combines a practical and theoretical approach for learning and research.

The Master of Science in Architectural Engineering is a research-based Master's degree for students interested in pursuing in-depth architectural research. The study includes one courses year and one research project year. The curriculum gives the students some flexibility in choosing the electives from their areas of interest.

The department offers MS programs of 36 units in the following areas:

- Urban design
- Architectural design
- Architectural Technology

The System of the postgraduate Study:

The Msc degree is obtained after passing two years study, First year is a preparation study which covers the required courses through attending theoretical lectures , preparing dissertation and essays and attending studios and workshops. Second year is for doing a research project.

The PhD. degree is obtained after passing three years study, First year is a preparation study, which covers the required courses through attending theoretical lectures, preparing dissertation and essays and attending workshops. After that two years for doing a research project (Thesis) .

Number of hours and units depended to obtain any kind of certificates are as follows:
- **No. of units depended to obtain MSc degree is (36 units).**
- **No. of units depended to obtain PHD degree is (60 units).**

Semester 1

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MSc. Courses

Architecture Design Study Plan

Semester 1:

Code	Course	Weekly hours First semester		Credit unites
		Theoretical	Practical	
ARC-A 601	Design Strategies	2	-	2
ARC-A 602	Islamic Architecture	2	-	2
ARC-A 603	Theory of Architecture	3	-	3
ARC-A 604	Systems and Architecture	2	-	2
ARC-A 605	Research Theory	2	-	2
ARC-A 606	English Language Techniques	1	-	1
Total		12	-	12

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MSc. Courses

Urban Design Study Plan

Semester 1:

Code	Course	Weekly hours		Credit unites
		First semester		
		Theoretical	Practical	
ARC-U 601	Housing	2	-	2
ARC-U 602	Landscape Design	2	-	2
ARC-U 603	Analysis of Climatic Urban Environment	2	-	2
ARC-U 604	Urban design Theory	3	-	3
ARC-U 605	Research Theory	2	-	2
ARC-U 606	English Language	1	-	1
Total		12	-	12

MSc. Courses

Architecture Technology Study Plan

Semester 1:

Code	Course	Weekly hours First semester		Credit unites
		Theoretical	Practical	
ARC-AT 601	Climatic Environment Design	2	-	2
ARC-AT 602	Advanced Building Construction	3	-	3
ARC-AT 603	Architectural Technology	2	-	2
ARC-AT 604	Theory of Architecture	2	-	2
ARC-AT 605	Research Theory	2	-	2
ARC-AT 606	English Language Techniques	1	-	1
Total		12	-	12

Ph.D. Courses

Study Plan

Semester 1:

Code	Course	Weekly hours First semester		Credit unites
		Theoretical	Practical	
ARC 701	Architecture Philosophy	3	-	3
ARC 702	Research Theory	2	-	2
ARC 703	Urban design Theory	2	-	2
ARC 704	Elective course (1)	2	-	2
ARC-U 705	Elective course (2)	2	-	2
ARC-U 706	English Language	1	-	1
Total		12	-	12

Semester 2

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MSc. Courses

Architecture Design Study Plan

Semester 2:

Code	Course	Weekly hours		Credit unites
		First semester		
		Theoretical	Practical	
ARC-A 607	Climatic Environmental design	2	-	2
ARC-A 608	Theory of Architecture	3	-	3
ARC-A 609	Environmental Psychology	2	-	2
ARC-A 610	Elective course (1)	2	-	2
ARC-A 611	Elective course (2	2	-	2
ARC-A 612	English Language Techniques	1	-	1
ARC-A 613	Research Methods	1	-	0
Total		12	-	12

MSc. Courses

Urban Design Study Plan

Semester 2:

Code	Course	Weekly hours		Credit unites
		First semester		
		Theoretical	**Practical**	
ARC-U 607	**Sustainable Urban design**	2	-	2
ARC-U 608	**Urban design Strategies**	3	-	3
ARC-U 609	**Analysis of Urban Design**	2	-	2
ARC-U 610	**Elective course (1)**	2	-	2
ARC-U 611	**Elective course (2)**	2	-	2
ARC-U 612	**English Language Techniques**	1	-	1
ARC-U 613	**Research Methods**	1	-	0
Total		12	-	12

MSc. Courses

Architecture Technology Study Plan

Semester 2:

Code	Course	Weekly hours First semester		Credit unites
		Theoretical	Practical	
ARC-AT 607	**Advanced building systems**	3	-	3
ARC-AT 608	**Sustainable Architecture**	2	-	2
ARC-AT 609	**Project Management**	2	-	2
ARC-AT 610	**Elective course (1)**	2	-	2
ARC-AT 611	**Elective course (2)**	2	-	2
ARC-AT 612	**English Language Techniques**	1	-	1
ARC-AT 613	**Research Methods**	1	-	0
	Total	12	-	12

Ph.D. Courses

Study Plan

Semester 2:

Code	Course	Weekly hours First semester		Credit unites
		Theoretical	Practical	
ARC 708	Theory in Architecture	3	-	3
ARC 709	Architectural Research Philosophy	2	-	2
ARC 710	Architectural Technology Thought	2	-	2
ARC 711	Elective course (1)	2	-	2
ARC 712	Elective course (2)	2	-	2
ARC 713	English Language Techniques	1	-	1
ARC 713	Research Methods	1	-	0
Total		12	-	12