Umm Al-Qura University
COLLEGE OF ENGINEERING & ISLAMIC ARCHITECTURE
Department of Islamic Architecture

Programme Specification

(Program Handbook of plan_30)
2015/2016

جامعة ام القرى
كلية الهندسة والعمارة الإسلامية
قسم العمارة الإسلامية

(DIA-01) Program Specification (Program Handbook)

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(DIA-01.1) Study Plan (30)

Vision of the Department of Islamic Architecture

To make the Department of Islamic Architecture a prominent educational institution for preparing architects who have capability to revitalize the Islamic architecture identity, which enables them to compete locally, regionally and internationally in the field of architecture.

Mission of the Department of Islamic Architecture

To provide distinguished architectural education within a stimulating environment of creative thinking and scientific research, which facilitate local community contribution and achieve effective regional and international partnership.

Objectives of the Department of Islamic Architecture

- Establishing Islamic values and notions in architecture and urbanism for preparing creative architects, planners and researches who able to fulfill local, regional and international labor market needs.

* Prepare a generation of architects, planners and researchers:

    - Distinguished of professional capabilities

    - Act effectively in the KSA and Holy Makkah communities.

    - Skilled for implementing scientific research methods.

A. Program Identification and General Information

1**. Institution:** Umm Al-Qura University

2. **College/Department**:
   College of Engineering and Islamic / Department of Islamic Architecture

3. **Dean**: Dr. Hamza bin Ahmed Golman

Program administrative flowchart

4**. Branches/locations offering this program**

Branch/Location. Main campus (Males)-Al-Abedia / Makkah
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Program title and code: B.Sc. Islamic Architecture (801)

Total credit hours needed for completion of the program: 165 credit hours

Award granted on completion of the program: Bachelor of Science (B.Sc.)

Name of program coordinator or chair: Chairman of the Department of Islamic Architecture: Dr. Jamil bin Mohamed El-Salfy with quality committee members

9. Date of approval by the authorized body (ME): 14/3/1404 H

B. Program Context

1. Importance of the Program

a. Economic reasons (if relevant)

- The program serves in public and private sectors, particularly for specialization of architecture and urban planning.
- Producing qualified researchers to propose solutions to architecture and urbanism issues in the Kingdom of Saudi Arabia.
- Supplying consultancy, construction, building technology and industry, etc. firms with qualified architects.
- Preparing candidates for being academic and technical staff of educational institutions.

b. Social/cultural reasons (if relevant)

- Islamic Architecture program provides graduates broad practical and theoretical knowledge and deep understanding of the architecture and urban planning concepts.
- Learning undergraduates how to manage building construction sites during building execution and architectural design process.
- Learning graduates the collaboration ethics which stimulate the social services.
- Raising the level of recognition with international achievements as; international architectural competitions and other distinguished international and national prizes.

c. Relevance to Institution/College Mission.

The mission of the university emphasizes the teaching of programs to support the economic development of Saudi Arabia and the skills needed by graduates for useful employment.

This program is very important in:

- Achieving the university mission, where the mission of the Islamic Architecture program agrees with the mission of the university.
- Correlating between teaching, research and community services.
- Enhancing the university mission of offering quality education for students.
- Conducting scientific research and serving the local community in the Kingdom of Saudi Arabia.

d. Relevance of the program to the mission and goals of the institution.

The mission of the Department of Islamic Architecture reads as " To provide distinguished architectural education within a stimulating environment of creative thinking and scientific research, which facilitate local community contribution and achieve effective regional and international partnership."

As described above, the program aims clearly shows relevance to the department's mission statement.

Mission, Goals and Objectives

Program Mission Statement (insert)

Prepare a generation of scientists and researchers from qualified national cadres that meet the needs of the labor market and contribute effectively to solving scientific and professional problems facing the development plans in the Saudi Arabia Kingdom.

Program Goals and Objectives

- Establishing Islamic values and notions in architecture and urbanism for preparing creative architects, planners and researches who able to fulfill local, regional and international labor market needs.

* Prepare a generation of architects, planners and researchers:

      - Distinguished of professional capabilities

      - Act effectively in the KSA and Holy Makkah communities.

      - Skilled for implementing scientific research methods.

Program Description:

Department manual is available for students or other stakeholders and a copy of the information relating to this program also attached to the program specification. This information includes required and elective courses, credit hour requirements and department/college and institution requirements, and details of courses to be taken in each year or semester.

Table 1: Plan of Study

Level	Code	Courses	CH	Department/ College	Prerequisites
1	4800140-4	Introduction to Mathematics 1	4	Preparatory Year, CEIA	None
1	4800170-6	English Language	6	English Language Center, Social Sciences	None
1	4800152-2	Computer Skills1	2	Computer Engineering, Computer and Information Systems	None
1	4800130-4	General Physics 1	4	Physics, Applied Sciences	None
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Second Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
2	4800171-4	Technical English Language	4	English Language Center, Social Sciences	English Language
2	4800141-4	Introduction to Mathematics 2	4	Preparatory Year, CEIA	Introduction to Math. 1
2	4800153-3	Basic Computer Programing Skills	3	Computer Engineering, Computer and Information Systems	None
2	4800104-3	Learning and Study Skills	3	Preparatory Year, CEIA	None
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Second Year-1st Semes

Level	Code	Courses	CH	Department/ College	Prerequisites
3	801171-5	Architectural Design 1	5	Islamic Architecture, CEIA	None
3	801115-2	History of Architecture	2	Islamic Architecture, CEIA	None
3	605101-2	The Holy Qur'aan1	2	Qera'at, Da'wah and Usul-ud-Din	None
3	601101-2	Islamic Culture 1	2	Da`wah and Islamic Culture, Da'wah and Usul-ud-Din	None
3	501101-2	Arabic Language	2	Arabic Language, Arabic Language	None
3	801103-2	Shadow and Perspective	2	Islamic Architecture, CEIA	None
3	801112-2	Design Processes and Methods	2	Islamic Architecture, CEIA	None
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Second Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
4	801172-5	Architectural Design 2	5	Islamic Architecture, CEIA	Architectural Design 1
4	801128-2	Building Construction 1	2	Islamic Architecture, CEIA	Architectural Design 1
4	605201-2	The Holy Qur'aan 2	2	Qera'at, Da'wah and Usul-ud-Din	The Holy Qur'aan1
4	601201-2	Islamic Culture 2	2	Da`wah and Islamic Culture, Da'wah and Usul-ud-Din	Islamic Culture 1
4	801117-2	Theories of Architecture 1	2	Islamic Architecture, CEIA	History of Architecture
4	801141-2	Computer Applications 1	2	Islamic Architecture, CEIA	Architectural Design 1
4	801116-2	Islamic Architecture	2	Islamic Architecture, CEIA	History of Architecture
			17		

Third Year-1ˢᵗ Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
5	801271-5	Architectural Design 3	5	Islamic Architecture, CEIA	Architectural Design 2
5	801222-2	Building Construction 2	2	Islamic Architecture, CEIA	Building Construction 1
5	605301-2	The Holy Qur'aan 3	2	Qera'at, Da'wah and Usul-ud-Din	The Holy Qur'aan 2
5	801223-3	Building Sciences 1	2	Islamic Architecture, CEIA	Building Construction 1
5	601301-3	Islamic Culture 3	3	Da`wah and Islamic Culture, Da'wah and Usul-ud-Din	Islamic Culture 2
5	801316-2	Theories of Architecture 2	2	Islamic Architecture, CEIA	Theories of Architecture 1
5	801244-2	Computer Applications 2	2	Islamic Architecture, CEIA	computer Applications 1
5	801216-2	Islamic Sciences for Architecture	2	Islamic Architecture, CEIA	Architectural Design 2
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Second Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
6	801272-5	Architectural Design 4	5	Islamic Architecture, CEIA	Architectural Design 3
6	801224-2	Building Construction 3	2	Islamic Architecture, CEIA	Building Construction 2
6	803227-2	Structure in Architecture 1	2	Civil Engineering, CEIA	None
6	801232-2	Urban Planning 1	2	Islamic Architecture, CEIA	Architectural Design 3
6	801225-2	Building Sciences 2	2	Islamic Architecture, CEIA	Building Construction 2
6	801231-2	Housing	2	Islamic Architecture, CEIA	Architectural Design 3
6	605401-2	The Holy Qur'aan 4	2	Qera'at, Da'wah and Usul-ud-Din	The Holy Qur'aan 3
6	601401-2	Islamic Culture 4	2	Da`wah and Islamic Culture, Da'wah and Usul-ud-Din	Islamic Culture 3
6	801256-2	Summer Training 1	2	Islamic Architecture, CEIA	Architectural Design 3
			21		

Fourth Year- 1ˢᵗ Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
7	801371-5	Architectural Design 5	5	Islamic Architecture, CEIA	Architectural Design 4
7	801327-2	Building Construction 4	2	Islamic Architecture, CEIA	Building Construction 3
7	803327-2	Structure in Architecture 2	2	Civil Engineering, CEIA	Structure in Architecture 1
7	803312-2	Surveying	2	Civil Engineering, CEIA	Architectural Design 4
7	801326-2	Properties of Materials	2	Islamic Architecture, CEIA	Building Construction 2
7	102101-2	The Biography of Prophet Mohammad (pbuh)	2	History, Sharia'h and Islamic Studies	None
7	801333-2	Urban Planning 2	2	Islamic Architecture, CEIA	Urban Planning 1
7	801317-2	Theories of Architecture 3	2	Islamic Architecture, CEIA	Theories of Architecture 2
			19		

Second Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
8	801372-5	Architectural Design 6	5	Islamic Architecture, CEIA	Architectural Design 5
8	801361-2	Interior Space Design	2	Islamic Architecture, CEIA	Architectural Design 5
8	801357-2	Working Drawings	2	Islamic Architecture, CEIA	Building Construction 4
8	803427-2	Structure in Architecture 3	2	Civil Engineering, CEIA	Structure in Architecture 2
8	801334-2	Outdoor Space Design	2	Islamic Architecture, CEIA	Architectural Design 5
8	801335-2	Landscape Architecture	2	Islamic Architecture, CEIA	Architectural Design 5
8	801352-2	Summer Training 2	2	Islamic Architecture, CEIA	Architectural Design 5
			17		

Fifth Year- 1st Semes

Level	Code	Courses	CH	Department/ College	Prerequisites
9	801471-5	Architectural Design 7	5	Islamic Architecture, CEIA	Architectural Design 6
9	801418-2	Graduation Research Project	2	Islamic Architecture, CEIA	Architectural Design 6
9	801443-2	Islamic Sciences: Applications in Environment	2	Islamic Architecture, CEIA	Architectural Design 6
9	801454-2	Construction Management	2	Islamic Architecture, CEIA	Architectural Design 6
9	0	* Elective (1)	2	Islamic Architecture, CEIA	None
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Second Semester

Level	Code	Courses	CH	Department/ College	Prerequisites
10	801472-5	Architectural Design 8	5	Islamic Architecture, CEIA	Architectural Design 7
10	801444-2	Contemporary Human Ecology	2	Islamic Architecture, CEIA	Architectural Design 7
10	801458-2	Building Economy	2	Islamic Architecture, CEIA	Architectural Design 6
10	0	* Elective (2)	2	Islamic Architecture, CEIA	None
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* Electives

801801-2	Urban Heritage and Experience of KSA	
801802-2	Modern Technologies in Construction Buildings	
801803-2	Mega Structure Buildings	
801804-2	Sustainability and Green Architecture	

Table 2: Curriculum Study Plan Table

Year	Level	Architectural Studios	Building Tech. & Construction	Theories of Architecture / History	Theories of Planning / Other	University Requirements (Culture / Language)	University Requirements (Qur'aan) / College Req.	Complementary / College Courses	Summer Training / Electives
Year (1)	Level (1)		4800130-4 General Physics 1 (Pr. None)	4800140-4 Introduction to Mathematics 1 (Pr. None)		4800170-6 English Language (Pr. None)	4800152-2 Computer Skills1 (Pr. None)		
	Level (2)		4800104-3 Learning and Study Skills (Pr. None)	4800141-4 Introduction to Mathematics 2 (4800140-4)		4800171-4 Technical English Language (4800170-6)	4800153-3 Basic Computer Programing Skills (Pr. None)		
Year (2)	Level (3)	801171-5 Architectural Design 1 (Pr. None)	801112-2 Design Processes and Methods (Pr. None)	801115-2 History of Architecture (Pr. None)		501101-2 Islamic Culture 1 (Pr. None)	605101-2 The Holy Qur'aan1 (Pr. None)	801103-2 Shadow and Perspective (Pr. None)	
	Level (4)	801172-5 Architectural Design 2 (801171-5)	801128-2 Building Construction 1 (801171-5)	801116-2 Islamic Architecture (801115-2); 801117-2 Theories of Architecture 1 (801115-2)	Arabic Language (Pr. None)	601201-2 Islamic Culture 2 (601101-2)	605201-2 The Holy Qur'aan 2 (605101-2)	801141-2 Computer Applications 1 (Pr. None)	
Year (3)	Level (5)	801271-5 Architectural Design 3 (801172-5)	801222-2 Building Construction 2 (801128-2); 801223-3 Building Sciences 1 (801115-2)	801316-2 Theories of Architecture 2 (801115-2)	801216-2 Islamic Sciences for Architecture (801172-5)	501301-3 Islamic Culture 3 (601201-2)	605301-2 The Holy Qur'aan 3 (605201-2)	801244-2 Computer Applications 2 (605101-2)	
	Level (6)	801272-5 Architectural Design 4 (801271-5)	801224-2 Building Construction 3 (801128-2); 801225-2 Building Sciences 2 (801128-2)	801231-2 Housing (801117-2)	801232-2 Urban Planning 1 (801172-5)	601401-2 Islamic Culture 4 (601301-2)	605301-2 The Holy Qur'aan 4 (605301-2)	803227-2 Structure in Architecture 1 (Pr. None)	801266-2 Summer Training 1 (801271-5)
Year (4)	Level (7)	801371-5 Architectural Design 5 (801272-5)	801327-2 Building Construction 4 (801224-2); 801326-2 Properties of Materials (801222-2)	801317-2 Theories of Architecture 3 (801316-2)	801333-2 Urban Planning 2 (801232-2)	102101-2 The Biography of Prophet Mohammad (pbuh) (Pr. None)	803312-2 Surveying (801271-5)	803327-2 Structure in Architecture 2 (803227-2)	
	Level (8)	801372-5 Architectural Design 6 (801371-5)	801357-2 Working Drawings (801372-5); 801361-2 Interior Space Design (801372-5)	801335-2 Landscape Architecture (801371-5)	801334-2 Outdoor Space Design (801232-2)		801271-5	803427-2 Structure in Architecture 3 (803327-2)	801362-2 Summer Training 2 (801371-5)
Year (5)	Level (9)	801471-5 Architectural Design 7 (801372-5)	801454-2 Construction Management (801372-5)	801418-2 Graduation Research Project (801372-5)	801443-2 Islamic Sciences: Applications in Environment (801371-5)		* Elective (1) (Pr. None)		
	Level (10)	801472-5 Architectural Design 8 (801471-5)	801458-2 Building Economy (801372-5)		801444-2 Contemporary Human Ecology (801471-5)		* Elective (2) (Pr. None)		

Legend

- Theories of Architecture
- Complementary Courses
- Electives
- Architectural Studios
- Building Tech. & Construction
- Theories of Planning
- University Requirements
- College Requirements

* Electives
801801-2 Urban Heritage and Experience of KSA
801802-2 Modern Technologies in Construction Buildings
801803-2 Mega Structure Buildings
801804-2 Sustainability and Green Architecture

Research Project
a. Brief description
The course aims are double folding; teaching students how to prepare a scientific research as well as setting up the graduation research project as of the following:

* Preparing the scientific research: The principles and process of preparing the scientific research, in general, taught to students through a series of lectures. Students, through these lectures, learn how to prepare a research starting from defining the research problem, hypotheses, objectives and importance. The research also teaches students different kinds of methodologies for conducting the research to proof the hypotheses, then how to preparing the findings and references. Moreover, the students also tough the article and the importance of methodology and research methods through the selection of theme search for the graduation project for each student.

b. Major intended learning outcomes of the project or research task.
- Have the ability to collect information, to define problems, to apply analysis, to judge critically and to formulate strategies for action.
- Have knowledge of relevant laws, rules and standards for planning, design, construction, health, safety and the handling of built environment.
- Have an understanding of design techniques and design processes as well as knowledge in analysis and interpretation of framework.
- Have the ability to work in teams and communicate ideas by means of speech, text, drawings, models and statistics.

c. stage in the program that the project or research undertaken
- 4th Year / 7th level

d. Number of credit hours
- 2 credit hours

e. Academic advising and support mechanisms for students.
- 4 Students work individually and directly under the supervision of a faculty member.
- Students use the libraries of the department and college.

f. Assessment procedures of the research Project
- Submit a written report
- Conduct an oral presentation
- A group of faculty members who reviewed the report and attended the oral presentation assess the project.

Learning Domains and Learning Outcomes of the Program
Design expertise
1. Have the ability to think creatively & to control & integrate the activities of other parties involved in the planning.
2. Have the ability to collect information, to define problems, to apply analysis, to judge critically & to formulate strategies for action.
3. Have the ability to think in three dimensions & to develop plans methodically, scientifically & artistically.

4. Have the ability to bring divergent factors in accordance to each other, to integrate knowledge & to apply skills when creating a design solution. Knowledge & skills (knowledge & understanding)

Cultural & arts sciences
5. Can apply their knowledge of historical & cultural references in the field of international architecture.
6. Can apply their knowledge concerning the influence of visual arts to the quality of architectural design.
7. Have developed an understanding of the heritage of built environment & of topics relating monument protection.
8. Have developed an awareness of the connections between arch. & philosophy, & political trends & cultural movement of other creative disciplines.

Social & human sciences
 9. Have the ability to develop programmers for construction projects & thereby to define the needs of developers, users & the public.
10. Have understanding of the social context of a construction project.
11. Have an understanding of the ergonomic & spatial requirements of the working environment.
12. Have knowledge of relevant laws, rules & standards for planning, design, construction, health, safety & the handling of built environment.
13. Have knowledge of architecture-related content of philosophy, political science & ethics.
14. Can apply their knowledge to society, clients & users.
15. Can identify & define functional requirements for different sectors of environment.

Environmental Sciences
16. Have an understanding of topics such as environmental sustainability, plans to reduce energy consumption, impact on the environment & an understanding of passive systems & their control."
17. Have an awareness of technology & technological consequences.
18. Have a sense of history & practice of landscape architecture, urban planning, regional & national planning.
19. Can apply their knowledge on natural systems & built environment.

Science & Engineering
20. Can apply their knowledge of bearing structure, materials, supply & disposal.
21. Have an understanding of the processes in technical design & the integration of bearing structure, civil engineering, industrial expansion into a functionally meaningful ensemble.
22. Have an understanding of infrastructure & of how to develop related communications, maintenance & security systems.
23. Have an awareness of the importance of tech. infrastructure for design & implementation & are alert to the planning & control of construction cost.
24. Have knowledge of physical problems & technologies associated with the function of a building to create protection against influence of weather.

Design methods
25. Can apply knowledge of design theory & design methods.

26. Have an understanding of design techniques & design processes as well as knowledge in analysis & interpretation of framework.
27. Have information on the history of design & architecture criticism.

Construction Economics/ construction management
28. Can apply knowledge of professional, business, financial & legal requirements.
29. Have an appreciation on how the real estate business does work, have awareness of financial relationships, real estate investment, & alternative methods of procurement & facility management.
30. Have an awareness of the potential roles of architects in new & already familiar fields of action as well as in international context.
31. Have an understanding of market mechanisms & their effect on the development of built environment, an understanding of project management, project development & client consulting.
32. Have an understanding of professional ethics & codes of conduct relating to the exercise of profession & an understanding of legal obligations regarding the registration of an architect.
33. Can plan & coordinate the construction process.
34. Can organize processes involved in building construction & its economic management.

Skills
35. Have the ability to work in teams & communicate ideas by means of speech, text, drawings, models & statistics.
36. Have the ability to apply analogue & digital, graphical & model making skills to analyze & develop a construction plan & to convey this vividly.
37. Have an understanding of evaluation systems, which utilize manual and/ or electronic means for the diagnosis of built environment.
38. Students should acquire appropriate knowledge, skills & abilities in all study schemes that aim at the licensing to work as an architect.

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39. Have awareness of Ethics & Islamic Behavior & its Impact on Islamic Architectural personality.

Preparatory Year
40. Demonstrate understanding of concepts & theories of mathematics & sciences appropriate to architecture.
41. Demonstrate understanding of basics of information & communication technology (ICT).
42. Demonstrate understanding of characteristics of engineering materials related to architecture.
43. Select & apply appropriate mathematical tools & computing methods for modeling & analyzing engineering problems.
44. Assess & evaluate the characteristics & performance of components, systems & processes.
45. Analyze results of numerical models & appreciate their limitations.
46. Maintain a systematic & methodic approach in dealing with new & advancing technology.
47. Select & appraise appropriate ICT tools to a variety of engineering problems.

48. Use computational tools & software packages pertaining to the discipline & develop required computer programs.
49. Integrate knowledge of math., science, information technology, design, business context & engineering practice to solve engineering problems.
50. Employ computational facilities, measuring instruments, workshops & lab. equipment to design experiments & collect, analyze & interpret results.
51. Use a wide range of analytical & technical tools, techniques & equipment, including pertinent software.
52. Apply numerical modeling methods and/or appropriate computational techniques to engineering problems.

Program Learning Outcome Mapping Matrix

The courses that are required to teach the program learning outcomes are identified in the following table. The program learning outcomes are inserted according to the level of instruction, from this table below the courses and levels that are required to teach each one are indicated; using program's course numbers across the top and the following level scale. Levels: I = Introduction P = Proficient A = Advanced

Table 3: Program Learning Outcome Mapping Matrix Plan (30) (DIA-07)

Architectural Program Matrix

course code	course name	prereq. code	prereq. name	level	year
4800140-4	Introduction to Mathematics 1			Level 1	First Year
4800170-6	English Language			Level 1	First Year
4800152-2	Computer Skills1			Level 1	First Year
4800130-4	General Physics 1			Level 1	First Year
4800171-4	Technical English	4800170-6	English Language	Level 2	First Year
4000141-4	Introduction to Mathematics 2	4000140-4	Introduction to Mathematics 1	Level 2	First Year
4800153-3	Computer Programing Skills			Level 2	First Year
4800104-3	Learning and study Skills			Level 2	First Year
801171-5	Architectural Design 1			Level 3	Second Year
801115-2	History of Architecture			Level 3	Second Year
605101-2	The Holy Quraan1			Level 3	Second Year
601101-2	Islamic Culture 1			Level 3	Second Year
501101-2	Arabic Language			Level 3	Second Year
801103-2	Shadow & prespective			Level 3	Second Year
801112-2	Design Process and Methods			Level 3	Second Year
801172-5	Architectural Design 2	801171-5	Architectural Design 1	Level 4	Second Year
801128-2	Building Construcion 1	801171-5	Architectural Design 1	Level 4	Second Year
605201-2	The Holy Quraan 2	605101-2	The Holy Quraan1	Level 4	Second Year
601201-2	Islamic Culture 2	601101-2	Islamic Culture 1	Level 4	Second Year
801117-2	Theories of Architecture 1	801115-2	History of Architecture	Level 4	Second Year
801141-2	computer Applications 1	801171-5	Architectural Design 1	Level 4	Second Year
801116-2	Islamic Architecture	801115-2	History of Architecture	Level 4	Second Year
801271-5	Architectural Design 3	801172-5	Architectural Design 2	Level 5	Third Year
801222-2	Building Construcion 2	801128-2	Building Construcion 1	Level 5	Third Year
605301-2	The Holy Quraan 3	605201-2	The Holy Quraan 2	Level 5	Third Year
801223-3	Building Science 1	801128-2	Building Construcion 1	Level 5	Third Year
601301-3	Islamic Culture 3	601201-2	Islamic Culture 2	Level 5	Third Year
801316-2	Theories of Architecture 2	801117-2	Theories of Architecture 1	Level 5	Third Year
801244-2	computer Applications 2	801141-2	computer Applications 1	Level 5	Third Year
801216-2	Islamic Science for Architecture	801172-5	Architectural Design 2	Level 5	Third Year
801272-5	Architectural Design 4	801271-5	Architectural Design 3	Level 6	Third Year
801224-2	Building Construcion 3	801222-2	Building Construcion 2	Level 6	Third Year
803227-2	Structure in Architecture 1			Level 6	Third Year
801232-2	Urban Planning 1	801271-5	Architectural Design 3	Level 6	Third Year
801225-2	Building Science 2	801222-2	Building Construcion 2	Level 6	Third Year
801231-2	Housing	801271-5	Architectural Design 3	Level 6	Third Year
605401-2	The Holy Quraan 4	605301-2	The Holy Quraan 3	Level 6	Third Year
601401-2	Islamic Culture 4	601301-3	Islamic Culture 3	Level 6	Third Year
801371-5	Architectural Design 5	801272-5	Architectural Design 4	Level 7	Fourth Year
801327-2	Building Construcion 4	801224-2	Building Construcion 3	Level 7	Fourth Year
803327-2	Structure in Architecture 2	803227-2	Structure in Architecture 1	Level 7	Fourth Year
803312-2	Surveying	801272-5	Architectural Design 4	Level 7	Fourth Year
801326-2	Properties of Materials	801222-2	Building Construcion 2	Level 7	Fourth Year
102101-2	The Biography of Prophet Mohammad (pbuh)			Level 7	Fourth Year
801333-2	Urban Planning 2	801232-2	Urban Planning 1	Level 7	Fourth Year
801317-2	Theories of Architecture 3	801316-2	Theories of Architecture 2	Level 7	Fourth Year
801256-2	Summer Trainning	801271-5	Architectural Design 3	Level 7	Fourth Year
801372-5	Architectural Design 6	801371-5	Architectural Design 5	Level 8	Fourth Year
801361-2	Interion Space Design	801371-5	Architectural Design 5	Level 8	Fourth Year
801357-2	Working Drawings	801327-2	Building Construcion 4	Level 8	Fourth Year
803427-2	Structure in Architecture 3	803327-2	Structure in Architecture 2	Level 8	Fourth Year
801334-2	Outdoor Space Design	801371-5	Architectural Design 5	Level 8	Fourth Year
801335-2	Landscape Architecture	801371-5	Architectural Design 5	Level 8	Fourth Year
801471-5	Architectural Design 7	801372-5	Architectural Design 6	Level 9	Fifth Year
801418-2	Graduation Research Project	801372-5	Architectural Design 6	Level 9	Fifth Year
801443-2	Islamic Sciences: Application in Environment	801372-5	Architectural Design 6	Level 9	Fifth Year
801454-2	construction Mangement	801372-5	Architectural Design 6	Level 9	Fifth Year
801352-2	Summer Training 2	801371-5	Architectural Design 5	Level 9	Fifth Year
801472-5	Architectural Design 8	801471-5	Architectural Design 7	Level 10	Fifth Year
801444-2	Contemporary Human Ecology	801471-5	Architectural Design 7	Level 10	Fifth Year
801458-2	Building Economy	801372-5	Architectural Design 6	Level 10	Fifth Year
801801-2	Urban Heritage & Experiences in KSA			Elective	
801805-2	Mega Stucture Buildings			Elective	
801802-2	Modern Technologies in Construction Building			Elective	
801804-2	sustainability and Green Architecture			Elective	

5. Admission Requirements for the Program
Department guide handbook includes the description of admission requirements including any course or experience prerequisites**.**

6. Attendance and Completion Requirements
Department guide handbook includes description of requirements for:
    a. Attendance.
    b. Progression from year to year.
    c. Program completion or graduation requirements.

E. Regulations for Student Assessment and Verification of Standards
    - Samples of all kind of assessment are available in the departmental course portfolio of each course
    - Group marking and group grading is conducted in some courses where the exam paper of each student is graded by more than one instructor.
    - Conducting standardized exams such as other higher institution exams
    - Conducting results employer surveys.

F. Student Administration and Support
1. Student Academic Counseling
    - Faculty members are assigned advisors to help students understand the program requirements and registration process.
    - Students get some guidance and advice through the university website.
    - Each faculty member posts four office hours on his door for students guidance and academic support.
    - General annual meeting at the beginning of the academic year is arranged for students with department members.

G. Learning Resources, Facilities and Equipment
    - Assigning textbooks through a committee after reviewing the appropriateness of the material by concerned faculty and approval in the departmental and higher academic councils
    - Writing laboratory manuals and some other textbooks by faculty and reviewing them proficiently before approval
    - Posting courses on the website

Acquisition resources for library, laboratories and classrooms
    - Annual checking of the available resources by the course coordinator (textbooks, laboratories, and classrooms)
    - Analysis of students' questionnaires
    - Analysis of students' results and course reports of the last semesters.
    - Writing the action plan of the course by course coordinator

Evaluating the adequacy of textbooks, reference and other resource provisions
    - Committees for inspecting the current textbook and compare it to the most recent textbooks in the field. The new book selected will be approved by departmental and higher academic councils in the university

H. Faculty and other Teaching Staff
1. Appointments
   - Distinguished graduates are employed as instructors in the department then they are given scholarships for MS and PhD degrees after that they are employed as faculty members after verification of their credentials
   - A departmental faculty application committee inspects the resumes of the applicants and checks on their experience in teaching.
   - Applicants are interviewed by senior department and college members and academic administrators

2. Participation in Program Planning, Monitoring and Review
   - Current programs are reviewed by a departmental committee as a whole.
   - The departmental committee defines and analyzes recommendations and make a final proposal.
   - The revised program is discussed in the departmental council before approval.

3. Professional; Development
Development of faculty and teaching staff
Improvement of skills in teaching and student assessment
   - Workshops for various aspects of academic development are conducted frequently over the academic year
   - Peer consultation in teaching is conducted over the academic year for the faculty upon their own request.

Professional development including knowledge of research and developments in their field of teaching Architecture
   - Workshops run be international experts are conducted frequently throughout the academic year on emerging teaching and learning strategies
   - Sponsoring grants for research and innovation in teaching and learning are offered.
   - Faculty members attend conferences, workshops and sabbatical leaves to enhance their knowledge of research in the field of teaching.

4. Preparation of New Faculty and Teaching Staff
   - Conducting awareness workshop for the new faculty members
   - Using a faculty handbook that introduces all university rules and regulations

I. Program Evaluation and Improvement Processes
1. Effectiveness of Teaching
Evaluation and improve the strategies for developing learning outcomes in the different domains of learning as follows:
- Faculty members attend training courses in the teaching and learning strategies are conducted by specialists
- Student Course evaluation
- Student interviews
- Course report
Evaluation of the skills of faculty and teaching staff in using the planned strategies
- Peer reviews
- Student Course evaluation

2. Overall Program Evaluation

Strategies are used in the program for obtaining assessments of the overall quality of the program and achievement of its intended learning outcomes

(i) From current students and graduates of the program
- Graduating students' surveys and interviews
- Alumni surveys
- Establishing an internet open forum to get student feedback

(ii) From independent advisors and/or evaluators
- Self assessment report reviewed by external experts
- Professional architectural societies' assessment

(iii) From employers and/or other stakeholders.
- Employers questionnaire
- Employment rate and leadership positions
- Annual meeting with stakeholders

2.0 (DIA-01.2) Assessment of study Plan (30)

Program of the study plan 30 is accessed via conducting a questionnaire between students and architectural firm employers. This is to provide the perspectives of another people, particularly who involved in the architectural field and concerned with the course or program or institution, such as alumni. A copy of the questionnaire is attached in the appendix DIA-26 Samples of Questionnaires. The size of the questionnaire sample included 41 graduate students and 28 architectural firm employers.

Questionnaire for opinion authorities regarding the employment of university graduates
General information:
1- The aim of this questionnaire to identify the views of employee organizations about the quality of graduates' performance of Umm Al-Qura University, particularly the Department of Islamic Architecture.
2- Preferably fill this form by the direct president of graduate after spend three months on at the firm.
3- This information is treated with top secret.
4- The opinion of authorities should be clear and objectivity because it will be highly useful in the development of the educational process in our university and, in turn, in the department.
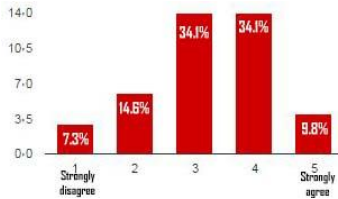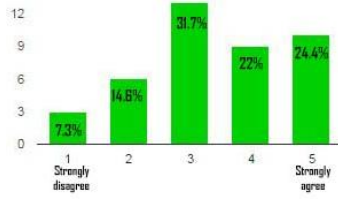
Note: This questionnaire has been evaluated by graduated students (Year 1437 H).

Table 4 summarizes the results of the questionnaire conducted between the graduate student and architectural firm employers.
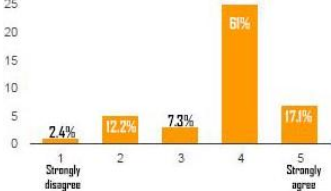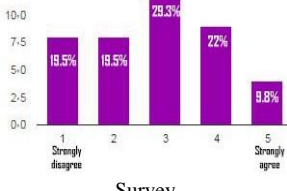
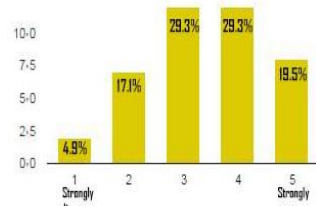## Table 4: key Performance Indicators and Program Evaluation
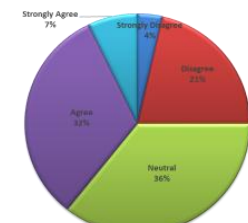
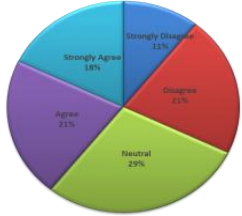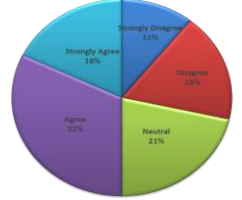| Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 1	Extent to which the program achieves the desired goals	90 - 95 %	85.3	Not available	Not available	 Results of 1436-1437 questionnaire shows that the percentage of students who are satisfied with achievement of prgram objectives is 85.3% out of 41 graduate students	Increase of students' satisfaction with the program for up to 90-95 %
Indicator 2	The possibility of knowledge of academic content of decisions	90 - 95 %	85.4 %	Not available	Not available	 Survey Results of 1436-1437 questionnaire shows that the percentage of studentswho are satisfied with course objectives is 85.4% out of 41 graduate students	Increase students' knowledge of academic content of the course to up to 90 - 95 %

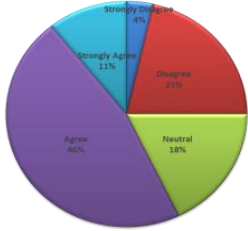| Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 3	Evaluation of the program in terms of its connection to knowledge and modern technology in the society	90 - 95 %	% 78	Not available	Not available	Results of 1436-1437 survey shows that the percentage of studentswho are satisfied with program in term of its connection with knowledge and modern technology is 78.% out of 41 graduate studens	Increase in the connection between the program with knowledge and modern technology to **90 - 95.%**
Indicator 4	Presence of repetition in the contents of some courses	10% Is the percentage of repetition between the introduction and transition between courses	78.1 %	Not available	Not available	Survey Results of 1436-1437 survy shows that the percentage of students who who find repetition in some courses is 78.1.% out of 41 graduate studens .	Reduce the percentage of repetition to 10 %

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 5	Sufficiency of the number of hours allocated for the courses	90 - 95 %	75.6 %	Not available	Not available	Results of 1436-1437 questionnaire shows that the percentage of students who who are satisfied with number of hours of the courses is 75.6.% out of 41	Increase the percentage of students who are satisfied with number of hours allocated for the courses to 90-95 %
Indicator 6	Coordination between tests and students capacity	90 %	85.4 %	Not available	Not available	Results of 1436-1437 survey shows that the percentage of students who are satiisfied with level of coordination between courses examinations s is 75.6.% out of 41 graduate .	Increase students' satisfaction with the extent of coordination between the tests courses for up to 90%

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 7	The extent of knowledge of Learning outcomes from the courses	90 - 95 %	87.8 %	Not available	Not available	Results of 1436-1437 survey shows that the students total knowledge of the learning outcome is 87 .8 % out of a sample of 41 graduate students .	Increase students' knowledge of teaching and learning outcomes of the course to 90-95%.
Indicator 8	The extent of the difficulties of the contents of some courses	10 - 15 %	70.7 %	Not available	Not available	Results of 1436-1437 survey shows that the percentage of students who find difficulties in some courses is 70.. 7 .% out of 41 graduate students .	Reduce the sense of the existence of difficulties in the contents of some courses to reach 10-15% to confirm the efficiency of the outstanding students

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 9	The extent to which the various courses consider mental abilities of students	90 - 95 %	85.4 %	Not available	Not available	Results of 1436-1437 survey shows that the percentage of students who believe that the program considers students' mental capacitiesis 85.4.% out of 41 graduate students .	Increase the program consideration to students capacity to reach 90-95%
Indicator 10	The extent to which teaching methods take into account the development of creative thinking	80 - 85 %	61.1 %	Not available	Not available	Survey Results of 1436-1437 survey shows that the percentage of students who believe that the teahing styles considers students' lcreative thinking is 60.1 % out of 41 graduate students	Increase students' satisfaction with the extent to which teaching methods develop creative thinking to reach 80-85%.

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 11	Evaluation of the contents of the program compared to the requirements and needs of the community	85 - 90 %	78.1 %	Not available	Not available	results of the survey of year 1436-1437 AH suggests that the total percentage of students satisfied with the relevance of the program for community requirements is 78.1% out of a sample of 41 graduates students .	Increasing linkage program needs of the community for up to 85-90%.
Indicator 12	The level of graduates from this program compared to other programs	85 - 90 %	79 %	Not available	Not available	Survey results for the year 1436-1437 AH , indicate that the total percentage of employers satisfied with the level of graduates from programs is 79.0% out of a sample that includes 28 employer.	Increase employers satisfaction with the level of excellence of graduates to to reach 85-90%
Indicator 13	Graduates having adequate experience to write reports and prepare research	80 - 85 %	74.8 %	Not available	Not available		Increase the satisfaction of the employers with appropriateness of experience of graduates for nearly writing reports and preparing research to reach 80-85%

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
						Survey results for the year 1436-1437 AH indicate that the total of employers satisfied with the extent of suitable graduates experience and capacity of report writing and preparing research is 74.8% out of a sample that includes 28 employers .	
Indicator 14	The ability of graduates and their knowledge of building and construction techniques	75 - 80 %	67.9 %	Not available	Not available	Survey results for the year 1436-1437 AH indicate that the total percentage of employers satisfied with the ability of graduates to apply technology in construction is to 67.9% out of a sample that includes 28 employer.	Increase the satisfaction of work for the extent of appreciation and awareness of graduates construction techniques owners to reach 75-80%
Indicator 15	To what extent do graduates understand the basic principles of management	80 - 85 %	71.4 %	Not available	Not available	Survey results for the year 1436-1437 AH , indicate that the total percentage of employer who are satisfied with the potential of graduates towards understanding the basics of management principles is 71.4% out of a sample that includes 28 employer.	Increase satisfaction of employers with graduates understanding of the basics of management principles to reach 80-85%

Key Performance Indicators	List of key performance indicators approved for program evaluation	Target Level for key performance indicators	The current level of key performance indicators	Level of key performance indicators for the internal audit standards	Level of key performance indicators for the external audit standards	Analysis of key performance indicators	New vision for the target level of the key performance indicators-
Indicator 16	The extent of graduates understand the legal responsibilities of architects, and their compliance with professional ethics	85 - 95 %	75 %	Not available	Not available	survey results for the year 1436-1437 AH , indicate that the total percentage of employers satisfied with the extent of graduates understanding of the legal responsibilities of architects, as well as to compliance with professional ethics is 75.0% out of a sample that includes 28 employers.	Increase the satisfaction of employers with the graduate to understand legal responsibilities of architects, as well as his ability to comply with professional ethics to reach 85-95%
Indicator 17	The ability of the graduates to collect and analyze data and explain the results using various methods and techniques of analysis	90 - 95 %	82.2 %	Not available	Not available	Survey results for the year 1436-1437 AH , indicate that the total percentage of employers satisfied with the extent of potential graduates to collect and analysis data and explain the results using methods and techniques of analysis is 82.2% out of a sample that includes 28 employer.	Increase the satisfaction of employers with the possibilities of graduates to collect and analysis data and explain the results using different methods and techniques for the analysis to 90-95%
Analysis of key performance indicators and benchmarks: (please state the strengths and recommendations)							