

Student Handbook

Department of Islamic Architecture

Umm Al-Qura University

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Dear Students,

Welcome to our distinct department. Department of Islamic Architecture was one of the first departments in Umm Al-Qura University and one of its ambitious departments, which participates in developing human resources qualified to construct our nation. The range of our undergraduate programs covers all areas of architecture, with particular focus on the Islamic Architecture. The department focuses on teaching the art and science of forming the built environment that contributes to the prosperity and welfare of human life. This takes place in compliance with Islamic sciences regarding all architectural aspects.

Each and every one of our students is important to us. Our graduates are held in high regard by the architectural firms. As a result, our students find rewarding jobs in various architectural fields in large, medium and small scale firms of the public and private sectors. Consequently, we have a commitment to provide our undergraduates best knowledge. Therefore, they are guided throughout their courses by personal tutors and are taught by experienced and dedicated staffs.

It is our primary mission to always prepare and improve our undergraduate program. The department is fast growing, with a plan to apply for accreditation of our Bachelor degree program by ASIIN. We are dedicated to providing a truly outstanding education opportunity through a proper balance of high quality undergraduate, post graduate and research programs.

Hopefully this handbook will achieve the benefit contemplated for all.

With my best wishes,

Dr. Gamil Al-Salafy

Department Chairman

Introduction



Umm Al-Qura University

The religious, historical and cultural significance of the Kingdom of Saudi Arabia gives it a leading role among the countries of the Islamic world. Millions of Muslims flow to it to perform the Haj (pilgrimage) or Umrah or visit the mosque of the Prophet - peace and blessings be upon him. Muslims all around the world say their prayers facing the holy Ka'ba of Makkah every day. Commitment to Islam and

adherence to Islamic Shari'a has always been central to the Kingdom's domestic and external policies. Such commitment, however, did not hamper the persistent efforts to build a modern society that enjoys all the benefits of contemporary culture. Because of the wise government policy, the Kingdom has acquired an authoritative economic and political status that has produced a considerable effect on regional and international economy and politics. Since the unification of the Kingdom under the leadership of King Abdul Aziz Bin Abdul Rahman Al-Saud tremendous efforts have been exerted to effect comprehensive development of all aspects of life in the country. Entering a new era of rapid development of the country's infrastructure and economy in the early 1970s, Saudi Arabia devoted special attention to fostering higher education. Established in 1975, the Ministry of Higher Education embarked on a long-term master plan to enable the Saudi educational system to provide the highly trained manpower necessary to run the country's increasingly sophisticated economy.

In 1949 King Abdul Aziz ordered the establishment of the College of Shari'a (Islamic Law) to become the first higher education institution in the country. It constituted the kernel of Umm Al-Qura University and its most prominent college. Henceforward, the establishment of higher education institutions continued. In 1952 the Teachers' College was established, followed by King Saud University in 1957 - the first of eight major universities in the Kingdom. Among these universities, Umm Al-Qura University is distinguished by its unique location in the Holy City and the good academic reputation in the fields of Islamic studies and other modern scientific and applied disciplines.

The Development of Umm Al-Qura University

Umm Al-Qura University has developed through three historical phases:

The first phase (1949 -1971): The start was in 1949 when the College of Shari'a was established, followed by the establishment of the Teachers' College In 1952 which continued until 1959 when the College of Shari'a took the responsibility of teachers' preparation and became the College of Shari'a and Education. In 1962 the College of Education was established as an independent college.

The second phase (1971 -1981): In 1971 the Colleges of Shari'a and Education became part of King Abdul Aziz University in Jeddah and constituted its branch in Makkah. The College of Education in Taif was established towards the end of this period, followed by the establishment of other academic departments and centers.

The third phase (Umm Al-Qura University): The University of Umm Al-Qura was established in 1981 by the royal decree number 39 on 30/7/1981 . During the first decade of the fifteenth Hجري century the Colleges of Da'wa (Call to Islam), Arabic Language, Applied Sciences, Social Sciences, Engineering and Islamic Architecture were established, beside the College of Education in Taif which was established in 1981. By the establishment of the College of Medicine and Medical Sciences in 1997 in Makkah and later in Taif, and the

establishment of the College of Natural Sciences in Taif and the college of Community Service and Continuing Education the number of colleges jumped to twelve, beside the Institute for Teaching Arabic for Non-Native Speakers and the Haj Research Institute. Later on, a community college was established in Baha.

The University offers the Bachelors, Graduate Diplomas, Master's and Ph.D. degrees in Islamic Studies, Arabic Language, Education, Social Sciences, Applied Sciences, Medicine and Engineering. There are about 30,000 students in the campuses of Makkah and Taif.

In 1986 the Custodian of the Two Holy Mosques laid the foundation stone of Al-'Abdiyah campus to continue the university's educational progress in Makkah and meet the rising demand of the increasing numbers of students. In 1995 The College of Shari'a and Islamic studies, the College of Arabic Language and the College of Engineering and Islamic Architecture began the gradual move to the new campus, followed by the College of Medicine and Medical Studies which was established by a royal decree in 1997. Currently, there are three campuses in Makkah. The first campus is in Aziziyah, housing the university administration, the supporting deanships, the College of Community Service and Continuing Education, the Institute of Scientific Research, the Custodian of the Two Holy Mosques' Institutes for Haj Research, and some other colleges. The second campus is in Al-Zahir, housing the Deanship of Girls Undergraduate Studies and its facilities, and the third one is the new campus of Al-'Abdiyah. There is another campus in Taif embracing the College of Education and the College of Natural Sciences. Beside awarding academic degrees, Umm Al-Qura university gives a special attention to research and publication and community service. The University is playing a significant role in these fields.

The Objectives of the University

The existence of Umm Al-Qura University in the Holy City of Makkah gives it a distinguished character as an academic institution that serves Islam and contribute to the development of human resources and the provision of services at the levels of both the public and private sectors in the light of the requirements of the comprehensive development plans of the country. The major objectives of the University as set by the Council of Ministers Decree number 190 on 21/7/1981 include the following:

- Provision of higher education and graduate studies to enable citizens to contribute to the development of their country in the light of Islamic principles in the following fields:
 - Islamic studies
 - Natural and applied sciences
 - Humanities, social sciences and languages
- Contribution to enhancement of scientific research by conducting and encouraging research and establishing research centers, and suggesting means for provision and satisfaction of present-day needs.
- Preparation of specialized scientists and teachers.
- Helping other Islamic societies in the specialized education of their citizens in the different fields of knowledge.



College of Engineering and Islamic Architecture

Mission

The mission of the college is to prepare engineers to be capable of fulfill the needs of the work market through team working and creation with continuing learning, teaching, and scientific research, and transfer knowledge according to the highest academic and professional standards to serve the needs of the local, national, and international

community and to encourage scientific and technical publishing and share the development of the knowledge abilities of the community members and establishments and promote them to continuing learning.

Vision

The vision of the college is to be leading in advanced engineering sciences on the local, regional, and international levels and active partner in the national development in the fields of engineering education, scientific research, and community service.

Objectives of the college of Engineering and Islamic Architecture

- To prepare Engineers with great knowledge of basic, engineering, and human sciences;
- To prepare Engineers equipped with great knowledge of new technologies and information technologies;
- To prepare Engineers capable of taking decisions and able to deal with crises and problem solving;
- To provide the graduates with the linguistic capabilities necessary to deal with the globalization of knowledge;
- To prepare Engineers capable of applying engineering methods and analysis and have the desire and the ability for continuous learning;
- To prepare scientific researchers capable of carrying out academic and applied researches in the different engineering fields;
- To share in community service.

Department of Islamic Architecture

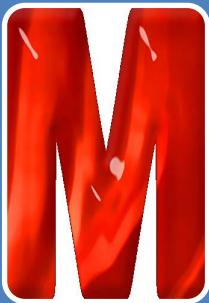
The Department of Islamic Architecture was the first department in the college and one of its ambitious departments, which participates in developing human resources qualified to construct our nation. The department focuses on teaching the art and science of forming the constructional environment that contributes to the prosperity and welfare of human life. This takes place in compliance with the teachings of the Qur'an and Sunnah regarding all constructional aspects, and that is the basis of all curricula and subjects of the department. In addition, the Department of Islamic Architecture seeks to achieve the following objectives:

- Qualifying a generation of architects and planners who are fully aware of the teachings of the Islamic Sharee'ah in such a way that enables this generation to undertake the mission of designing cities and buildings fit for Muslim communities.
- Promoting the profession of construction and planning in Islamic countries by adopting the call for applying and reviving the principles and objectives of Islamic architecture.
- Encouraging activities of writing, translation, and academic research on Islamic heritage and modern problems.



Vision

- 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

- 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.



Major Objectives

- Establishing Islamic values and notions in architecture and urbanism for preparing creative architects, planners and researchers 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.

Some Important Definitions

Academic Year and its Division

Academic Years

An academic year is divided into two semesters and a potential summer session. Undergraduates are required to attend the University for the whole of each semester. Examinations normally take place during Weeks 16-18 of any given semester.

Academic Semesters

An academic semester consists of 15 weeks of instruction, plus additional weeks for registration and final examination.

Summer Sessions

A summer session consists of 8 weeks of instruction, plus additional weeks for registration and final examination. The weekly duration of each course in the summer session is twice its duration during the regular academic semester.

Programmes and Credits

Degree Programmes

A program refers to a course of study leading to an award of a degree, e.g. B.Sc./B.Eng.

Academic Levels

An academic level indicates the study level. The levels required for graduation are eight or more, in accordance with the specifications of each approved degree program (10 levels in college of Engineering and Islamic Architecture).

Courses

A course is a component of a program, usually comprising a set of lectures, with practicals or seminars. Detailed information about courses is available in (Module Handbook) which describes the content of each course, what you can expect to learn from the course, how much work you can expect to do and so on. Some of the courses may have pre-requisite(s).

Prerequisites

Not all courses in the program are available to every student. Availability is governed by a set of prerequisites, which serve the academic purpose of ensuring that students have the background knowledge necessary to benefit from a course. Prerequisites for a particular course are listed in the curriculum.

Credit Hours

A credit hour is each of the weekly lectures, with a duration not less than 50 minutes or a laboratory session or field study of not less than 100 minute duration.

Assessment and Grading

Academic Probation

Academic probation is a notification given to a student with a cumulative GPA below the minimum acceptable limit.

Class Work Score

Class work score is the score which reflects the student's standing during a semester according to his performance in the examinations, research, and other activities related to a particular course.

Final Examinations

The final examination is an examination in the course, given once at the end of every semester.

Final Examination Score

The final examination score is the score attained by the student in each course on the final examination.

Final Score

The final score is the total of the class work score plus the final examination score calculated for each course out of a total of grade of 100.

Course Grades

The course grade is a percentage, or alphabetical letter, assigned to a student, indicating the final grade he received in a course.

Incomplete Grades

Incomplete grade is a provisional grade assigned to each course in which a student fails to complete the requirements by the required date. This is indicated in the academic record by the letter grade "IC".

In-Progress Grade

In progress grade is a provisional grade assigned to each course which requires more than one semester to complete. The letter grade "IP" is assigned in this case.

Semester GPA

Semester GPA is the total quality points the student has achieved, divided by the credit-hours assigned for all the courses the student has taken in any semester. The quality points are calculated by multiplying the credit-hours by the grade earned in each course.

Cumulative GPA

Cumulative GPA is the total quality points the student has achieved in all courses he has taken since his enrollment at the University, divided by the total number of credit-hours assigned for these courses.

Enrollment

Enrolled Students

An enrolled student is a student who has passed all the courses studied. Courses of the levels that following levels are added gradually starting from the lower levels according to the study plan approved (the syllabus).

Discontinuing Students

A discontinuing student is a student who fails in passing one or more of the courses.

Visiting Students

The visiting student is a student who is studying some courses in another university, or in a branch of the university to which he belongs without being transferred.

Graduation

Graduation Ranking

Graduation ranking is the assessment of the student's scholastic achievement during his study at the University.

Graduation

A student graduates after successfully completing the graduation requirements according to the degree plan, provided his cumulative GPA and major GPA are both not less than 2.00 out of 4.00.

Honours

Awarded First Class Honor student winning a cumulative average of (3.75) to (4.00) from (4.00) upon graduation, and give the second honor for the student winning a cumulative average of (3.25) to less than (3.75) from (4.00) at graduation.

Registration

This chapter serves as a main registration guidance for Islamic Architecture students in Umm Al-Qura University. Your advisor is permanent; look for his help and guidance as follows.

Registration, Advising, and Career Guidance

Enrollment Procedure

Under normal circumstances, all students are registered automatically through the University's computerized registration system following a model plan of study set by the Department. This plan includes all pre-requisites, and maximum and minimum allowable number of credit hours per semester. The system allows the student to make changes and adjustments within the preset rules. It is during the first week of classes that students are allowed to make changes, such as add, drop, and change section. Afterwards, only course withdrawals are allowed provided they are done five weeks before the final examination period, and with the head of department's approval. Nevertheless, a student can only drop courses or withdraw from courses if his workload will not fall below a minimum of 12 credit hours. Moreover, a student can not withdraw from more than two courses per semester except with the permission of the Vice Dean for educational affairs and academic development.

A student must confirm his registration within the first week of the semester. The load for each student is determined as follows.

Enrollment Advising

The Department has established a Student Advising Committee which is primarily responsible for overseeing the academic advising process in the Department at the beginning of each academic year. The Student Advising Committee allocates groups of students to each faculty member. This allocation is entered into the UQU's electronic registration system for students' access.

To enhance the role of the Student Advising Committee, the Department holds briefing sessions during the orientation week to inform students about the significance of seeking advice from the academic advisors.

The Registration Tasks

Adding a New Course

An academic advisor can add a new course for a student if:

For elective courses, the academic advisor should discuss and explain each course with the student and suggest which courses should be selected and why.

Transfer between Course Sections

An academic advisor can transfer a student according to the following criteria.

Dropping a Registered Course

An academic advisor can approve dropping a registered course for a student if:

For elective courses, the academic advisor should discuss with the student each course that interests him/her and help the student make informed decisions on which courses to select based on his preferences, skills, and career path.

The Academic Advisor Tasks

Academic advisors are supposed to provide educational counseling for students. The academic advisor's primary responsibility is to evaluate the student's plan of study to ensure it will satisfy the college and university requirements while it meets each student's specific needs. To be effective, the advisor must recognize that each student has different abilities, interests, aspirations, needs, experiences, and problems so that his approach in dealing with students can be different from one to another. To fulfill this requirement, the general advising duties can be stated as follows.

Guidelines for Advisee Students

A student is highly encouraged to meet with his academic advisor every semester prior to or during the registration week. The goal of this meeting is to review the student's academic progress. In addition, the student can take an appointment to meet individually with his academic advisor to discuss the program of study, career plans, or any problems he/she may encounter in the study program.

Plan of Study

In order to achieve the best outcome of our advising system, students should prepare their study schedules carefully to meet the Department, College and University requirements. An electronic Plan of Study is automatically created by the on-line registration system based on the student's program curriculum. Plans of study are flexible documents that can be modified according to the guidelines approved by the College and the student's choices and goals. The main purpose of creating a plan of study is to ensure effective student progress and graduation in the minimum duration possible.

Academic advisors are required to monitor on-line their advisee students' study schedules each semester and ensure that they strictly follow their approved plans of study. Academic advisors provide advice to those students who face difficulty in following their plans of study and need to modify them.

Transfer Students and Transfer Courses

Transfer Credits (Course Equivalences)

Course equivalence is done between courses taught in Architecture departments/colleges (ONLY).

Students can transfer credit hours that have been studied in other universities. The maximum allowable percentage of credit hours that could be transferred by students from other universities is 40% of the total credit hours in the curriculum. These courses are evaluated by the department chairman and faculties who teach these courses, and approved by the vice dean. Transferred credits are not included in the GPA and a pass grade is assigned to those courses.

Students who want to study courses in other universities must do the following.

Transfer Students

Transfer to the college can be done through three different channels as follows.

Transfer from One University to Another

Upon the approval of the Dean of the particular college that the student is transferring to, the student might be admitted into the university in accordance with the following requisites.

In particular the following rules apply for transferring from another university to our department: the student should have a minimum cumulative GPA of 3 (out of 4) from a reputable Architecture or similar department /college. This is complemented with other conditions developed by the college council on a yearly basis.

The procedure for evaluating transfer applications to the college from outside the university is as follows.

Transfer from Other Colleges within the University

Students can apply for transfer only after studying at least one semester -- excluding summer semester -- in the college they are transferring from. A student can transfer from any college within the university after taking permission from the originating department chairman and college dean, and destination department chairman and college dean. All previous studied courses will appear in the transcript. The department council equates courses that the student has studied out of the college according to the recommendation of the appropriate department.

Transfer between Departments within the College

A student can transfer from any department within the college after taking permission from the originating department chairman, destination department chairman, and college dean. All previous studied courses will appear in the transcript. The department council equates courses that the student has studied out of the college according to the recommendation of the appropriate department.

Regulations

The Department will treat the breach of any of these regulations, or any of the University's regulations, as a serious disciplinary matter.

Smoking

The buildings of the College of Engineering and Islamic Architecture are classed as public space and, as such, it is illegal to smoke in any part of them. Smoking is also not allowed in other University spaces used for teaching and other related activities.

Students and staff are required to abide by the University's policy on smoking. Smoking is permitted in outdoor spaces on campus providing that the 2-metre exclusion zone around buildings is observed.

Damage or Theft

It is an offence to write in, mark or otherwise deface library books or periodicals. Anyone found to have done so will be charged for the full replacement and administrative costs, and may be subject to further penalties.

Theft of departmental property is treated as a serious disciplinary offence.

Photocopying/Scanning of Copyright Material

Scanning or photocopying material in copyright is restricted under law. In brief, single copies may normally be made of individual articles from journals or of relatively short extracts from books or other written works, provided the copy is intended for your research or private study. Otherwise, permission will need to be obtained from the copyright owner before a photocopy or photocopies can be made.

General Student-Related Matters

Advising

All students of the department have a member of the teaching staff allocated to them as their advisor. Advising takes the form of meetings between advisees and their advisors. They exist to help students monitor their progress, set goals for their studies and discuss problems, both academic and personal.

Your advisor is the person to whom you should go at any time if you encounter academic or personal problems.

Attendance and Absence

Attendance at all teaching sessions is compulsory, unless you are informed otherwise. According to university regulations, if the combination of justified and non-justified absence in a particular course reaches 25% or more of the total amount of teaching units, the student is automatically awarded the grade "Denied".

Student Problems and Welfare

If you are experiencing difficulty with your work, if you feel that unreasonable demands are being made of you, if you find that there are clashes between coursework deadlines, or if you are being hindered by medical, domestic, personal or other problems, you should consult your advisor (or another member of staff) as soon as possible.

If you cannot find your advisor, or you would prefer to talk to another member of staff you may do so. In particular, you might want to talk to Head of Department.

Disabled Students

If you have a disability which might affect your studies, you may be entitled to support. Whether or not a disability has already been declared or develops or becomes apparent during your time at the University, then it is possible to get appropriate support.

Recording of Teaching

Any form of audio or video recording of lectures, seminars or practical sessions is only permitted under the following circumstances:

Like any other departmental regulations, breach leads to disciplinary actions.

Libraries and Bookshops

You have access to the University library that is available on campus. When a textbook is not available in the library, you may order the book online.

Health and Safety

The University's aim is to provide and maintain a safe working environment, which is without risks to health and offers adequate facilities and arrangements for the welfare of staff and students. It is the duty of all individuals to exercise personal responsibility, to familiarize themselves with Departmental instructions regarding safety procedures, and to do everything possible to prevent injury or damage either to themselves or to others.

Fire and Other Emergencies

When the fire alarm is heard it is your responsibility to vacate the building quickly (without running) and quietly. Do not re-enter the building until given permission to do so by a fire marshal.

General Safety

You are required to take reasonable care for the health and safety of yourself and others who may be affected by your actions or inactions. Make sure that you familiarize yourself with the following:

Food and drink must not be consumed in the laboratories and classrooms.

Academic Misconduct

Department Statement on Academic Misconduct

You are responsible for ensuring that your work does not contravene the Department's rules on academic misconduct. The University takes a very serious view of such misconduct and penalties will be applied if you are found to have attempted to mislead examiners. Forms of academic misconduct include:

If you have any queries about what constitutes academic misconduct, and in particular, about the proper attribution of material derived from another's work, you should seek advice from your advisor.

The penalties for academic misconduct will depend on the seriousness of the offense. Students found guilty of academic misconduct may, for example, have their degree class reduced, fail their degree or be asked to leave the University.

Avoiding Plagiarism and Collusion

Avoid plagiarism by always acknowledging the sources of the material you have used (including software and information on the web). If you copy a passage of text verbatim, clearly mark the entire extent of the quotation using quotation marks or an italic font, and cite its source. Record unpublished work, such as an email or a conversation as 'private communication'. Treat lecture materials as published materials too. When you are collecting material from online sources for an assessment, it is tempting to use "cut and paste". Ideally, you should re-express the source material in your own words, but you should certainly note carefully where the material was taken from so that you can later construct a full citation.

In programs submitted for assessment, do not "re-invent the wheel": if you find a piece of code written by someone else that does what you want, use it. However, be sure to include a comment acknowledging its source and making clear that you understand how it works.

Guidelines on Mutual Assistance and Collaboration

If an assessment is completed by students working in pairs, or in groups, you should be given explicit guidance about the level of acceptable collaboration within each pair or group. In some assessments, you may be given explicit encouragement to involve other students in a specific aspect of your work, such as evaluation and testing. Aside from such explicitly permitted exceptions, the following guidelines apply.

While an open assessment is in progress, you may discuss it with your fellow students only to understand the nature of the problems or questions set, not to find out how to solve or answer them. What you submit must be your own work. Do not collaborate when producing the solution or answer to an assessment. Do not copy another student's work, and do not allow another student to copy yours. If in doubt as to whether you may seek or give assistance of some kind, ask the member of staff who set the assessment.

When writing an essay or report for an open assessment, discussion and collaboration are permissible in the initial process of determining the nature and requirements of the question. You will then need to select relevant pieces of information from available sources and to evaluate their usefulness and consistency. In this process of selection and evaluation, often involving careful analysis and judgment, you are not permitted to work with others. Nor may you share the details of your own essay or report. All information used in your essay or report drawn from any source other than your own work and ideas must be explicitly referenced.

When an assessment requires the development of hardware or software, discussion and collaboration are again permitted in the initial process of examining and clarifying requirements - though only the setter of the assessment can rule on any perceived ambiguities. The subsequent work of design, implementation and testing should essentially.

Departmental Regulations

Students follow the academic levels system, which comprises 10 academic levels. The duration of each academic level equals one regular semester, where the student gradually progresses from one academic level to another in accordance with the approved promotion rules. Students are responsible for knowing and following the academic rules and regulations including the requirements for graduation. Academic advisors assist students in planning their academic programs, but their academic advising activities do not relieve students of this responsibility. Therefore every student should be thoroughly familiar with all the academic

regulations and the degree conferral system and remain informed about them throughout his career at the University. A student may seek the assistance of his academic advisor or the department chairman in this respect.

The department assigns an academic advisor (a faculty member of the department) to each student to assist him in matters relating to his academic progress such as:

Registration Procedure

Early Registration

Early Registration is required for all college-level students (undergraduate as well as graduate) who intend to continue their studies during the following term(s). Early Registration is done through the Web on the pre-announced dates.

Since this activity provides a basis for finalizing courses to be offered, number of sections to be opened for each course, schedule of classes, manpower requirements, etc. for the term that follows, it is mandatory for every student to register early. Academic departments are therefore advised to ask their faculty members to stress the importance of Early Registration to the students enrolled in their classes.

Early Registration for spring semester is held during the 11th week of the fall semester, and Early Registration for summer session and the following fall semester is held during the 11th week of the spring semester.

Formal Registration

Formal registration is held at the beginning of each semester or summer session as indicated in the academic calendar. Each student must personally register himself. Registration by proxy or mail is not permitted.

Late Registration

The students, who have not completed the formal registration process on the fixed date, may register late during the period specified in the academic calendar.

Adding and Dropping Courses

A student may change his registration by adding or dropping some courses during the registration period determined by Deanship of Admissions & Registration. A student may drop courses during the first two weeks of classes in a regular semester (the first week of classes in a summer session). Courses so dropped will not appear on the student's transcript. In addition, the following conditions apply for dropping/adding courses.

Adding or Changing to Closed Sections

During the registration period, a student can change section -- through the departmental secretary -- if the section is available. The student should fulfill the following conditions.

The department will process the section change only if the form is complete and it does not cause conflict with the student's current schedule. Also, the requests will only be considered during registration period determined by Deanship of Admissions & Registration.

The Academic Levels System

The academic levels system divides the academic year into two regular semesters. There may be a summer session, the duration of which is considered as half a regular semester. The degree requirements are divided into various levels in accordance with the degree plan approved by the University Council.

The University Council sets up the detailed regulations which govern promotion from one academic level to another bearing in mind the following considerations.

Course Load

A course load is defined as the number of credit-hours for which a student is registered in a regular semester or a summer session. There are restrictions on the course load are:

The Minimum and Maximum Course Load Limit in a Regular Semester

The minimum course load limit is 12 credit hours during a regular semester, provided that the total number of credit hours registered by a student in any two consecutive semesters is not less than 28. This condition is relaxed in the last semester before graduation. The maximum course load is 19 credit hours. However, a student is permitted to register for 21 credit hours with the approval of his department chairman, if the student has maintained a minimum cumulative GPA of 3.00 out of 4.00 in all work undertaken during the preceding terms in which he earned his last 28 credit hours.

Minimum and Maximum Course Load in a Summer Session

The minimum course load in a summer session is 1 credit hour and the maximum is 8 credit hours.

Minimum and Maximum Course Load for a Student on Academic Warning or Probation

The minimum course load in such cases is 12 credit hours; the maximum is 13 credit hours in each regular semester and 7 credit hours in a summer session.

Minimum and Maximum Course Load for a Student in his Last Term before Graduation

The minimum course load at this level is 1 credit hour and the maximum is 20 credit hours during a regular semester and 9 in the summer session, provided the student's cumulative GPA of all work undertaken during the preceding terms in which he earned his last 28 credit hours is not less than 2.00 out of 4.00.

Degree Plan

The courses of each degree are spread over 10 academic levels. The required as well as elective courses and the number of credit hours that a student needs to successfully complete in order to receive a degree in his major field are clearly specified for each academic level. This distribution of courses and credit hours is called "the Degree Plan". All degree plans are approved by the University Council. The academic departments regularly review and update the degree plans in order to provide students with continuously updated programs. The following rules apply to the degree plans.

Students are required to study within the framework of their approved degree plan and once they fulfill all the requirements they are nominated for graduation.

Student Transcript of Academic Record

The transcript comprises the complete academic record of the student from the date of admission to the issue date. No partial records are issued. An official transcript may be issued or sent to any outside agency upon receiving a written request from the student.

The accuracy of a student record is of the utmost importance and errors or suspected errors should be brought to the immediate attention of the Deanship of Admissions & Registration.

Academic Records and Grade Codes

Academic Record

The academic record is a statement which explains the student's academic progress. It includes the courses studied in each term with course numbers, codes, number of credit-hours, the grades attained and the codes and points of these grades. The record also shows the semester, cumulative GPA and the student's academic status in addition to the courses from which a transferred student is excused.

Grade Codes

Grade Letter	Grade Description	Mark m	Points
A+	Excellent -- High	$95\% \leq m < 100\%$	4.00
A	Excellent	$90\% \leq m < 95\%$	3.75
B+	Very Good -- High	$85\% \leq m < 90\%$	3.50
B	Very Good	$80\% \leq m < 85\%$	3.00
C+	Good -- High	$75\% \leq m < 80\%$	2.50
C	Good	$70\% \leq m < 75\%$	2.00
D+	Pass -- High	$65\% \leq m < 70\%$	1.50
D	Pass	$60\% \leq m < 65\%$	1.00
F	Fail	$< 60\%$	0.00
IP	In Progress	--	--
IC	Incomplete	--	--
DE	Debarred	--	0.00
NP	No Grade -- Pass	--	--
NF	No Grade -- Fail	--	--
W	Withdrawn	--	--
WP	Withdraw with Pass	--	--
WF	Withdrawn with Fail	--	0.00

Islamic Architecture Programme

Curriculum

The standard duration of the Islamic Architecture program is 5 academic years (10 levels). The sequence of courses is organized so as to ensure that it is possible to commence the program in every semester when admissions take place. According to the requirement of UQU, there are series of courses concern Islamic culture. Furthermore, internationalization is the dominant direction for undergraduate education in KSA, so there is a compulsory English language course in the first level. In this respect, UQU believes that strengthening the English skills is a fundamental precondition for entering into new cooperation respectively expanding those in the future.

According to the requirement of the college, the first year should focus on Basic and Applied Science Fundamental knowledge such as mathematics and physics. Therefore, some courses offered in the degree program are imported from department of the Preparatory Year. Furthermore, some other courses are imported from department of Civil Engineering.

The program structure provides great flexibility in course selection and offers a broad scientific and architectural base by containing a sequence of specialized courses like Architectural Studios, Building Technology and construction, Theories of Architecture, Theories of Planning, Complementary Courses, etc. The 10th level contains graduation project. Students are supervised by a group of distinct professors to complete the project properly. These courses are accompanied by two architectural elective courses. Furthermore, there are two summer training courses. The two summers between 7th and 10th level are arranged as practices on professional skills. That means all students are required to take part in the practices for 8 weeks before the graduation project. The student acquires a job for practical training in an architectural firm and at the university.

University Requirements	College Requirements	Department Requirements					
		Architectural Design Studios	Building Tech. & Construction	Theories of Planning	Theories of Architecture	Complementary Courses	Electives
English Language 4800770-6 The Holy Qur'aan 1 605101-2 Islamic Culture 1 601101-2 Arabic Language 501101-2 The Holy Qur'aan 2 605201-2 Islamic Culture 2 601201-2 The Holy Qur'aan 3 605301-2 Islamic Culture 3 601301-3 The Holy Qur'aan 4 605401-2 Islamic Culture 4 601401-2 The Biography of Prophet Mohammed (pbuh) 102101-2	Introduction to Mathematics 4800140-4 Computer Skills1 4800152-2 General Physics 1 4800130-4 Technical English Language 4800171-4 Introduction to Mathematics 2 4800141-4 Basic Computer Programming Skills 4800153-3 Learning and Study Skills 4800104-3 Structure in Architecture 1 803227-2 Structure in Architecture 2 803327-2 Surveying 803312-2 Structure in Architecture 3 803427-2	Architectural Design 1 801171-5 Architectural Design 2 801172-5 Architectural Design 3 801271-5 Architectural Design 4 801272-5 Architectural Design 5 801371-5 Architectural Design 6 801372-5 Architectural Design 7 801471-5 Architectural Design 8 801472-5	Building Construction 1 801128-2 Building Construction 2 801222-2 Building Science 1 801223-3 Building Construction 3 801224-2 Building Science 2 801225-2 Building Construction 4 801327-2 Properties of Materials 801326-2 Working Drawings 801357-2	Urban Planning 1 801232-2 Housing 801231-2 Urban Planning 2 801333-2 Outdoor Space Design 801334-2 Landscape Architecture 801335-2	History of Architecture 801115-2 Design Processes and Methods 801112-2 Theories of Architecture 1 801117-2 Islamic Architecture 801116-2 Theories of Architecture 2 801316-2 Islamic Sciences for Architecture 801216-2 Theories of Architecture 3 801317-2 Graduation Research Project 801418-2	Shadow & perspective 801103-2 computer Applications 1 801141-2 computer Applications 2 801244-2 Summer Training 1 801256-2 Interior Space Design 801361-2 Islamic Sciences: Application in Environment 801443-2 Construction Management 801454-2 Summer Training 2 801352-2 Contemporary Human Ecology 801444-2 Building Economy 801458-2	Urban Heritage and Experiences of KSA 801801-2 Modern Technologies in Construction Buildings 801802-2 Mega Structure Buildings 801803-2 Sustainability and Green Architecture 801804-2

Requirements of UQU, College and Department of Islamic Architecture.

The general structure of the curricular content of the Bachelor's Degree Program is illustrated in the following figure.

Islamic Architecture Curriculum

Year (1)	Level (1)	4800130-4 General Physics 1	4800140-4 Introduction to Mathematics 1	4800170-6 English Language	4800152-2 Computer Skills 1				
Year (1)	Level (2)	Pr. None 4800104-3 Learning and Study Skills	Pr. None 4800141-4 Introduction to Mathematics 2	Pr. None 4800171-4 Technical English Language	Pr. None 4800153-3 Basic Computer Programming Skills				
		Pr. None 4800140-4	4800140-4	4800170-6	Pr. None				
Year (2)	Level (3)	801112-2 Design Processes and Methods	801115-2 History of Architecture	501101-2 Arabic Language	605101-2 The Holy Qur'aan 1	801103-2 Shadow and Perspective			
		Pr. None 801172-5 Architectural Design 2	Pr. None 801116-2 Islamic Architecture	Pr. None	Pr. None 601201-2 Islamic Culture 1	Pr. None 801141-2 Computer Applications 1			
Year (3)	Level (4)	801222-2 Building Construction 2	801223-3 Building Sciences 1	801216-2 Islamic Sciences for Architecture	605201-2 The Holy Qur'aan 2	801244-2 Computer Applications 2			
		801171-5 Architectural Design 1	801115-2 Islamic Architecture	801216-2	605101-2	801171-5			
Year (3)	Level (5)	801222-2 Building Construction 2	801223-3 Building Sciences 1	801216-2 Islamic Sciences for Architecture	605201-2 The Holy Qur'aan 2	801244-2 Computer Applications 2			
		801172-5 Architectural Design 3	801223-3 Building Sciences 1	801216-2	605101-2	801171-5			
Year (4)	Level (6)	801222-2 Building Construction 3	801225-2 Building Sciences 2	801232-2 Urban Planning 1	601401-2 The Holy Qur'aan 4	801256-2 Summer Training 1			
		801172-5 Architectural Design 4	801128-2 Building Sciences 2	801232-2	605201-2	801141-2			
Year (4)	Level (7)	801222-2 Building Construction 3	801223-3 Properties of Materials	801232-2 Urban Planning 2	605301-2 Surveying	801352-2 Summer Training 2			
		801271-5 Architectural Design 5	801326-2 Properties of Materials	801232-2	803327-2	801371-5			
Year (5)	Level (8)	801357-2 Working Drawings	801361-2 Interior Space Design	801334-2 Outdoor Space Design	803427-2 Structure in Architecture 3				
		801272-5 Architectural Design 6	801361-2 Interior Space Design	801334-2	803227-2	801371-5			
Year (5)	Level (9)	801454-2 Construction Management	801418-2 Graduation Research Project	801443-2 Islamic Sciences: Applications in Environment	* Elective (1)				
		801372-5 Architectural Design 7	801418-2 Graduation Research Project	801443-2	803327-2	801371-5			
Year (5)	Level (10)	801458-2 Building Economy	801372-5	801444-2 Contemporary Human Ecology	* Elective (2)				
		801471-5 Architectural Design 8	801372-5	801444-2	Pr. None	803327-2			

* 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

University Requirements
College Requirements

Architectural Studios
Building Tech. & Construction

Theories of Architecture
Complementary Courses
Electives



Islamic Architecture Courses

Code	Courses	Level	Credit H.
4800140-4	Introduction to Mathematics 1	1	4
4800170-6	English Language	1	6
4800152-2	Computer Skills1	1	2
4800130-4	General Physics 1	1	4
4800171-4	Technical English	2	4
4800141-4	Introduction to Mathematics 2	2	4
4800153-3	Computer Programing Skills	2	3
4800104-3	Learning and study Skills	2	3
801171-5	Architectural Design 1	3	5
801115-2	History of Architecture	3	2
605101-2	The Holy Quraan1	3	2
601101-2	Islamic Culture 1	3	2
501101-2	Arabic Language	3	2
801103-2	Shadow & perspective	3	2
801112-2	Design Process and Methods	3	2
801172-5	Architectural Design 2	4	5
801128-2	Building Construction 1	4	2
605201-2	The Holy Quraan 2	4	2
601201-2	Islamic Culture 2	4	2
801117-2	Theories of Architecture 1	4	2
801141-2	Computer Applications 1	4	2
801116-2	Islamic Architecture	4	2
801271-5	Architectural Design 3	5	5
801222-2	Building Construction 2	5	2
605301-2	The Holy Quraan 3	5	2
801223-3	Building Science 1	5	2
601301-3	Islamic Culture 3	5	3
801316-2	Theories of Architecture 2	5	2
801244-2	Computer Applications 2	5	2
801216-2	Islamic Science for Architecture	5	2
801272-5	Architectural Design 4	6	5
801224-2	Building Construction 3	6	2
803227-2	Structure in Architecture 1	6	2
801232-2	Urban Planning 1	6	2
801225-2	Building Science 2	6	2
801231-2	Housing	6	2
605401-2	The Holy Quraan 4	6	2
601401-2	Islamic Culture 4	6	2
801371-5	Architectural Design 5	7	5
801327-2	Building Construction 4	7	2
803327-2	Structure in Architecture 2	7	2
803312-2	Surveying	7	2
801326-2	Properties of Materials	7	2
102101-2	The Biography of Prophet Mohammad (pbuh)	7	2
801333-2	Urban Planning 2	7	2
801317-2	Theories of Architecture 3	7	2
801256-2	Summer training 1	7	2
801372-5	Architectural Design 6	8	5
801361-2	Interior Space Design	8	2
801357-2	Working Drawings	8	2
803427-2	Structure in Architecture 3	8	2
801334-2	Outdoor Space Design	8	2
801335-2	Landscape Architecture	8	2
801471-5	Architectural Design 7	9	5
801418-2	Graduation Research Project	9	2
801443-2	Islamic Sciences: Application in Environment	9	2
801454-2	Construction Management	9	2
801352-2	Summer training 2	9	2
	* Elective (1)	9	2
801472-5	Architectural Design 8	10	5
801444-2	Contemporary Human Ecology	10	2
801458-2	Building Economy	10	2
	* Elective (2)	10	2
	Total		165

Islamic Architecture Curriculum- First Year

First Semester

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
			16		

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
			14		

Islamic Architecture Curriculum- Second Year

First Semester

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
			17		

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		

Islamic Architecture Curriculum- Third Year

First 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
			20		

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		

Islamic Architecture Curriculum- Fourth Year

First 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		

Islamic Architecture Curriculum- Fifth Year

First Semester

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
			13		

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
			11		

* 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

Courses summary

Architectural Studios

801171-5 **Architectural Design (1)** *(pr. None)*

. The course introduces the student to basic drawing skills and techniques. Fundamentals of architectural drawing are presented, and conventions of graphic representation are highlighted. A study of architectural orders, architectural composition through abstract shapes and forms, and orthographic projections are focused on. Students also learn presentation techniques including line drawings and tone drawings, as well as adding human effects such as furniture and plants to the drawings.

801172-5 **Architectural Design (2)** *(pr. Architectural Design (1))*

This course is an introduction to the fundamentals of architectural design through the design process, definition, analysis, concepts, development and presentation. Students begin by studying different building forms and their relation to human activity, scale and furniture as a means of creating space. Next, they learn to conduct spatial analysis. Training includes simple projects focusing on the functional relationships and the use of space. The student should be able to present his different design concepts based on his acquired presentation skills.

801271-5 **Architectural Design (3)** *(pr. Architectural Design (2))*

The architectural design studio (3) is the course in which students express themselves visually and show their creativity. Instructions will be given in the following areas: elements of design, module, technical drafting using grids, and computer skills.

801272-5 **Architectural Design (4)** *(pr. Architectural Design (3))*

This course targets designing projects at an intermediate level, focusing on the ways in which the nature of structural systems and building materials affect and influence architectural design. Students begin by studying basic structural systems. After this, the students should be able to select building materials as well as design projects with sound structural systems, to satisfy the requirements of building programs as an integral part of the design.

801371-5 **Architectural Design (5)** *(pr. Architectural Design (4))*

This course is an introduction to the field of urban design. Students begin by studying urban design and its different levels, concepts and related physical, social and economic phases. Subsequently, students learn about the role of the urban designer in creating sustainable environments for social, economic and cultural requisites of the society. Students are asked to present an urban design of a small neighborhood.

801372-5 **Architectural Design (6)** *(pr. Architectural Design (5))*

This course provides an introduction to the field of slums and informal areas. It aims to raise mental and intellectual ability of the student to know how to deal with slums in urban areas, and studying the rehabilitation methods. This course encourages cooperation as a team work in the field survey.

801471-5 **Architectural Design (7)** *(pr. Architectural Design (6))*

The course comprises the followings: Form strong basics of profession practice to the students. Train to deal with the owner to develop and fulfilling his requirements. Interactive with the main stages of the exercise of the Profession Practice of architecture process and different technology. Take advantage of what was student learned in the previous courses: design process, materials and construction methods, the architectural heritage, Presentation & delineation Methods. Emphasis on the application of Islamic law in of the design and application of the concepts of the Islamic basics. Taking sustainability into account in all stages of design. Training on Team Work by simulating the architectural offices environment.

801472-5 **Architectural Design (8)** (*pr. Architectural Design (7)*)

The course aims to take advantage of all the previous courses that have been studied and try to apply and take advantage of them in the graduation project. It aims to review the graduation research, to devise design elements, and right relations between its components. Furthermore, it aims to identify the choosing possibility for the appropriate location of the proposed project, and to overcome the difficulties of the site-in case of existence. Moreover, it aims to identify the possibility of determining the Architectural program of projects, as well as determine the different spaces & its relationships. Furthermore, it focuses on the concept of sustainability in architecture and how to achieve it in the project.

Building Tech. & Construction

801128-2 **Building Construction (1)** (*pr. Architectural Design (1)*)

Define the requirements and needs of the building, and factors influencing, the analysis of the architectural and structural components of the building, the definition of different construction methods and building materials used, local bearing walls and its building materials and construction methods, construction of skeleton buildings of reinforced concrete and its different types skeleton buildings of steel structures, study types of foundations in buildings.

801222-2 **Building Construction (2)** (*pr. Building Construction (1)*)

Study and analysis of the vertical movement elements in buildings such as stairs escalators and travellers different styles of slopes ,methods of design , implementation , architectural details and its finishing materials, whether internal or external ,study the design elevators and its places in the building , study of types partitioning walls and its multiple styles whether of interior considering its construction methods and materials, study the methods of thermal , water and sound insulation study expansion dividers settlement joints in buildings.

801222-2 **Building Construction (3)** (*pr. Architectural Design (2)*)

Study doors and windows, the various types and sections, study architectural details, and methods of design, implementation and assembling, specifications and the materials used. Study windows, methods of manufacture, implementation and assembling ,materials used and studying architectural details, and construction, various models, study indoor and outdoor floor types and finishes, types of suspended ceiling and finishing, types of external wall claddings and finishes.

801327-2 **Building construction (4)** (*Building construction (3)*)

The course comprises the followings: Study groups related to the process of building, construction and Identification of temporary works associated to the process of construction, such as primary works, site plan, study of scaffolding and wrenches, its types and materials used, identify mechanisms and equipment used in the different construction processes. And hence, study ways of production of the building. Furthermore, the course comprises trends in the development of the construction industry, and automated methods used in building construction, study pre-casting, processing and manufacturing building of various types.

801223-2 **Building science (1)** (*pr. Building and Construction (1)*)

The course comprises the followings: The Various climate regions of the world and its characteristics. Environmental factors affecting the design, the sun (the factors that determine the intensities of sun rays, methods of protection from the sun), Temperature and its impact on the building (the influential factor in temperature, heat transfer) Ventilation and its impact on the Temperature of the internal and external surfaces, building direction and its impact on the Temperature, consideration for direction process, building direction in the tropical regions) traditional ways to control climate for buildings in dry warm and humid areas, passive and positive energy treatment (double walls, double roof, wind catcher, sun breakers, the

buildings under the ground) Natural lighting features(various forms of natural lighting the distribution of natural lighting within the space, important consideration in the design of natural lighting, the influential factors in the amount of natural light in space, the lighting changes during the day, special considerations for the use of natural lighting in warm places, general recommendations for the warm dry places in terms (physical planning, forms of buildings, guidance, building materials).

801225-2 Building science (2) *(pr. Building science (1))*

The course comprises the followings: Sanitation equipment, sanitary wares, pipes extensions of water and sanitation, sewerage in multi-story buildings, drainage systems, Air conditioning (different between ventilation and air conditioning , reasons for use of air conditioning, air conditioning equipment, air conditioning component of the system, a map of a central air conditioning system, different air conditioning systems, the principles of air conditioning, the properties of mixture of air and water vapor, "Secrometry" and the map, boundaries for the a desirable comfortable environment, air conditioning requirements in the planning and for design of the buildings, the influential factors in reducing the thermal need) , Acoustics(sound insulation, distance law for the reduction of sound, reflection and absorption of sound, noise control, acoustics isolation of the cover of the building and interior walls and floors, the method of calculating the reduction of the acoustics wall of mixed construction, requirements of reducing noise in the planning and design of the building), Acoustic treatment(factors affecting treatment, the calculation of frequency time, sound absorption and absorbent surfaces, reduce the sound inside the space and calculating method) , safety procedures and fire- fighting (fire prevention, safety procedures and outlets to escape, firefighting equipment)

801326-2 Properties of Materials *(pr. Building and Construction (1))*

The course comprises the followings: Summary of the main learning outcomes for students enrolled in the course. Building and construction materials: (Physical properties, chemical and mechanical properties of building materials and construction), Strength of Materials: (properties and performance under dynamic loads). Properties of construction materials such as metal (steel) and non-metal materials (concrete, wood, insulation, interior finishing materials, exterior main finishing materials). Controlling and treatment methods of construction materials which have direct impact on Architecture. Importance of material lab and its components.

801357-2 Working Drawings *(pr. Building construction (4))*

Establishing a strong foundation to know the basic shop drawings for one of the projects which had already been designed by the student .Mastering the basic shop drawings of an architectural project. Ability to prepare and draw the architectural details of the project. Being familiar with the preparation of quantities and project items. Writing technical project specifications. Mastering the production of shop drawings for the project using appropriate computer applications. Provision of linkage and dealing methods with other engineering disciplines (structural, electrical, mechanical, health, civil, landscape, ...) and their respective roles in the shop drawings preparation for the project

Theories of Planning

801232-2 Urban planning (1) *(pr. Architectural Design (3))*

The course covers the historical study of the city, including its origins and evolution since the dawn of history until the present day. The course contents have been organized into two parts. The first deals with the history of the city and its planning since the ancient civilizations (Egypt, Mesopotamia, the Indus Valley), and the civilizations of the ancient Greeks and Romans, Middle age cities of Europe, the Arab Islamic Cities, the Baroque and Renaissance until the industrial revolution. The second part deals with history of the emergence of contemporary theories of urban planning and impulses that accompanied since its inception at the beginning of the industrial revolution, until the basic principles of planning in the mid-twentieth century.

801232-2 **Urban planning (2)** (*pr. Urban Planning (1)*)

The main objective of this course is to give the student an introduction to urban planning. The course comprises the followings: various processes of urban planning and land use (residential, commercial, industrial). The difference between contemporary trends for the neighborhood planning , (planning neighboring residential), Stages of urban planning in the KSA. Building regulations mentioning some examples to the planning study in Saudi Riyadh , Jeddah , Mecca , urban -scale system in the Kingdom. Elements analysis and components of the city in general .

801231-2 **Housing** (*pr. Architectural Design (3)*)

The main aim of the course is that the student understands the basic concepts and issues related to housing. The student should be able to define the main definitions like: housing- shelter-house-dwelling, the population, area density ...etc.

The student discusses the types of housing problems and solutions, the factors that affect the design of the housing unit and the neighborhood residential areas. The course presents housing Requirements (Social – Urban-Economical- environmental), Criteria & Design Considerations .This course illustrates types of housing projects (Land subdivisions Projects & Integrated Projects) and housing site analysis. It focuses on the concept of the Neighborhood, NBHD Services & its road Network.

801334-2 **Outdoor Space Design** (*pr. Architectural Design (5)*)

Outdoor space is an important component of any urban fabric; it is the complementary part of the built up area containing various human activities such as social, recreational and economical activities. It also reflects the overall image of the city. The main objective of this course is to study the Outdoor spaces (their forms and elements) inside the city. The course is based on the historical, analytical and descriptive study, in addition to research tools such as observation and field survey.

801335-2 **Landscape Architecture** (*pr. Architectural Design (5)*)

Eight types of urban open space are discussed during this course: urban plazas, neighborhood parks, mini-parks and vest-pocket parks, campus outdoor spaces, outdoor spaces in housing for the elderly, child-care outdoor spaces, streetscape, and hospital outdoor spaces. People Places contains a chapter-by-chapter review of the literature, illustrative case studies, and design guidelines specific to each type of space. People Places has a number of features that can be easily incorporated into the design process: The first part of the course will provide you with a background on planting design principles. In addition to that, you will study definitions and terminologies related to landscape. This will help you to comprehend the main elements of environmental planning approaches. In the second part of this course you will study the two basic approaches to design and planning people places.

Theories of Architecture

801115-2 **History of Architecture** (*Pr. None*)

The course comprises the followings: Definition of primitive architecture (the old stone ages), Egyptian architecture (old – middle- modern Pharaonic), Mesopotamian architecture (Sumerian-Assyrian-Babylonian – modern Babylonian- Sasanian Empire), Greek architecture (ancient Greek), Roman architecture, Byzantine architecture and the dawn of Christianity and medieval architecture (Romancek-Gothic), in addition to medieval architecture in Europe.

801418-2 **Graduation Research Project** (*Pr. Architectural Design (6)*)

The course aims to define the graduation research and the importance of using research methods through selection of the graduation project theme for each student. Furthermore, this course aims to identify the problems and the objectives, hypotheses, and search content by (specify sections, and chapters that covering the search ...etc), down to choose references and methods of preparation.

801117-2 Theories of Architecture (1) *(Pr. History of Architecture)*

The course comprises the followings: Architectural concepts and terminology (scale and human scale, proportion of the human and the golden section), module and the modulator, the terms of architecture (utility, durability, beauty and economy), aesthetics for architecture, principles of architectural composition (Unity, variety, percentages, measurement, character, expression ...Etc.), also analysis of the buildings to its elements (utility, communication, circulation, service, protection, ventilation, construction and beauty), as well as the factors that affect architectural design (materialism and physical, humanitarian and civil, scientific, economic, industrial and technological, ...Etc.), design considerations for buildings (residential, religious, administrative, sporty, cultural, Entertainment, service, ...Etc.), in addition to the most important pioneers of twentieth-century architecture and some of their distinctive work, such as: (Frank Lloyd Wright, Le Corbusier, Walter Gropius, Mies van der Rohe, and Oscar Niemeyer).

801117-2 Theories of Architecture (2) *(Pr. Theories of Architecture (1))*

The course comprises the followings: Renaissance beginning from (Bramante) and ends with (Michelangelo), The Baroque and Rococo periods. The industrial revolution and its architectural manifestations, battle of the styles and the 19th century, also modern art and generation of pioneers in the beginning of the twentieth century. In addition to the modern architecture of some architectural schools such as: Bauhaus – Chicago – functionalism – organic, etc.). Finally, the first and second generation of the pioneers.

801317-2 Theories of Architecture 3 *(Pr. Theories of Architecture (2))*

This course aims to understand and apply the concept of architectural character within the scope of new trends. The course provides a detailed insight into the classification of different architectural movements and their pioneers, as well as the essential characteristics of "Modernism, Late Modernism & Post Modernism" and its different phases. Students begin by studying the different styles of the 19th century to the end of 20th century up to 21st century. Students also learn about the changing architectural vocabulary and new approaches.

801116-2 Islamic Architecture *(Pr. History of Architecture)*

This course is meant to introduce the students to the history and design of Islamic architecture. Students begin by examining the formation and development of architectural, artistic, and urban traditions of the Islamic World. They are then introduced to the ideas and cultures that shaped the architectural character of the Islamic era. Students learn from selected examples of religious, civic and residential Islamic Architecture in a chronological order. The course covers the genesis of the architecture in the Islamic city such as; Medina, Baghdad, Cairo, as well as religious buildings (mosques and doctrinal schools), buildings of services (Khankawat, Hospice, Kuttab and Bimaristan), and residential buildings. On the other hand, the course reviews pioneers of the contemporary Islamic Arabic architecture, in addition to international organizations and institutions and their role in the maintenance and development of Islamic architecture.

801112-2 Design Process and Methods *(pr. None)*

The course comprises the followings: Identify and define the design problem, the study of logical thinking steps to reach the optimal solution to the problem, the factors affecting the design, process design in small buildings, technical methods as a means of assisting in the design process, the standard calendar, and decision making. Analysis of the components of the project to be designed, private network design elements relations, environmental factors affecting the design, coordination of the site for the project to be designed, and environmental control for the design process, the decision to choose the concept of the design, the style of presenting the idea of design in architecture.

Complementary Courses

801141-2 **computer Applications (1)** (*pr. Architectural Design (1)*)

This course comprises the followings: Definition of software, such as AutoCAD, the required computer needed, learning the skills of drawing, amendment, use of layers, colors, shapes, and drawing dimensions, hatching, learning the three dimensional drawings, drawing perspectives, shading, giving the student at the end of the course and integrated project, to apply all commands.

801244-2 **computer Applications (2)** (*pr. computer Applications (1)*)

This course comprises the followings: Drawing systems on computers, the capabilities and the use of drawing by areas (image processing and artistic presentation), (drawing by lines), (charts and modeled drawing with the move through the designed building, from inside or from the outside, and around him, software use.

801443-2 **Islamic Sciences: Application in Environment** (*Pr. Architectural Design (6)*)

This course comprises the followings: Various environmental concepts. Technical concept as a tool to shape our environment. The transformation of the agricultural society to an industrial society and its impact on the environment. Post-industrial era and the transition to the information society. The new shape of the built environment. The major threats to the environment of the earth. The concept of Islam for the environment and position them. Themes that can architect of which contribute to the preservation of the environment. The impact of information and communication technology revolution of the architectural profession.

801216-2 **Islamic Science for Architecture** (*Pr. Architectural Design (2)*)

This course aims to illustrate the legitimacies that must be observed between the inhabitants and demonstrate how to achieve adequate housing Muslim family.

801444-2 **Contemporary Human Ecology** (*Pr. Architectural Design (7)*)

This course comprises the followings: Values and principles of urbanism in contemporary Islamic cities. Elements and forms of urbanism, which was produced by the Islamic civilization in ancient Islamic societies. The effects influenced the Islamic urbanism and the extent of the influence of Islamic law. The appearance and graphic elements for the cities of the Islamic communities, as well as features and distinctive features. The possibility of benefiting from the values and principles of urbanism derived from Islamic values and legislation in contemporary cities. Influences that created the modern urbanism. Some serious attempts and successful that have been applied to get to the provision of urban environment consistent with the values and principles of the Islamic communities in accordance with the requirements and the requirements of the times and the needs of the contemporary Muslim human solutions.

801454-2 **Construction Management** (*Pr. Architectural Design (6)*)

This course aims to prepare and enable the student to identify, understand and develop his capabilities and skills to deal with the field of construction management during the period of the course or after graduation.

801361-2 **Interior Space Design** (*Pr. Architectural Design (5)*)

Space is the essential element in interior design. This space gives life to the architecture which houses it. This course is a visual study of the nature of this interior setting. The course comprises the followings: Fundamental element which make up our interior environments. Characteristics of each element. Emphasis is placed on basic design principals and how design relationships determine the functional, structural, and aesthetic qualities of interior spaces. Study of the design process.

801458-2 **Building Economy** (*Pr. Architectural Design (6)*)

The course comprises the followings: Basic concepts of building economics: initial cost, life cycle cost in use, cost and benefit ratio analysis, and control of cost and depreciation, cost estimating, including determination of materials, labor, equipment, overhead, profit, and other construction costs.

801103-2 Descriptive Geometry; and Shadow and Perspective (*pr. None*)

It is a course for senior mathematical science. It develops talent imagination and endorsing mathematical logic, and is mainly based on spatial engineering to theories and rules, where the conversion issue into a descriptive - through the projection. The student gives a sketch describes the shapes and surfaces and fully accurate description of where (areas, lengths, and angles). The course explains the difference between the self and the movable shade, drop shadow in plans and elevations, drop shadow of basic geometric shapes just like cube, cylinder, cone, sphere, drop shadow of point, line, plane, etc. The course explains shade and shadows of the most important elements of architectural Manifesting and the effect of light on the mass of the most important factors that help to design success just like the beauty of proportions and consistency of the various components of the vocabulary of the work as a whole.

801803-2 Mega Structure Buildings (Elective) (*pr. None*)

The course comprises the followings: Definition of giant buildings and its history. Build knowledge about process of construction and construction equipment and accompanied mechanisms, effect of natural power (wind & earthquakes) on design of skyscrapers.

801803-2 Modern Technologies in construction Buildings (Elective) (*pr. None*)

The course comprises the followings: Definition of the different construction systems (Long Span Structure Systems: Trusses and Frames, Space trusses, Shells and Cables). Definition of the methods and systems of construction and building materials. Construction process of modern buildings (Curtain Walls- Light Walls (Gypsum Board) - Raised Floors -... etc.). New possibilities to solve the problem of the car Parking in crowded cities.

801802-2 Urban Heritage and Experiences in KSA (elective) (*pr. Architectural Design (6)*)

The course comprises the followings: Definition of the concept of preserving the architectural heritage, and the rooting experiences of Architectural Heritage in Saudi Arabia. Introduction study of the physical environment and social/economic of regions of historical value. The concept of architectural heritage of cities and the importance of preserving it. Types and levels of deterioration of historic urban areas. Studying of methods of monitoring and documentation. Analysis of the physical and heritage styles. Analysis of change patterns (urban transformations). Principles of addressing and dealing with important problems of urban areas. Methods of maintaining and upgrading.

801804-2 Sustainability and Green Architecture (Elective) (*Pr. None*)

The objective of this course is to examine how environmentalism has informed architectural discourses, and how discourses on the built environment and urbanism have impacted environmentalism globally. The course will introduce students to the various paradigms of environmentalism, such as: environmental apocalypticism, the limits of resources, environmental health and toxic discourse, environmental justice, sustainability, and urban environmentalism, and how these have impacted architecture and urbanism in the nineteenth and twentieth century.

801256-2 Summer Training (1) (*Pr. None*)

Configure a strong foundation for the student's specific knowledge of traditional and historic areas, so as to include a number of secondary objectives.

801352-2 Summer Training (2) (*Pr. Architectural Design (5)*)

The main goal of this course is to configure a strong foundation for the student's knowledge of the different stages of professional work through the summer training.