



Amman - Jordan

Study Plan

Faculty **Architecture and Design**
Specialization Architectural Engineering
Semester Second
Academic Year 2018/2019

Course Name **Architectural design (2)**
Course Number **1101282**

A Copy of the Study Plan Shall be given to Each Registered Student in this Course. The Study Plan Shall be preserved for Future Use.



F112-3, Rev. c
Ref.: Deans' Council Session (03/2018-2019), Decision No.: 14, Date: 15/09/2018

1. Lecturer Information

1. Lecturer Name: Dr. Omaimah Al Arja
2. Office Number: 351
3. Phone Number: +962 6 4790222 ext. 447
4. Email: oalarja@meu.edu.jo
5. Office Hours: Sun., Tues. 12:30-2:30

2. Place and Date of the Course

1. The Days and Time of the Course: Sun, Tues 8:00-12:30
2. Place: E 013
3. Course Laboratory (if any): E 013

3. Sources and References

Since the projects usually vary from one semester to another, given below are some general references that may always be useful. Besides, the student is responsible for taking his/her own notes during the lectures given by the instructor. The student should also make use of the various references (books, journals) available at the University library and other libraries open to students around Amman.

1. Ching, Francis D.K. & Eckler, James F. Introduction to Architecture. Wiley, 2012. [Textbook]
2. Ching, Francis D.K. Architecture: Form, Space & Order. Wiley, 2014.
3. Neufert, Ernst et al. Architect's Data. Wiley, 2012.

4. Course Description:

1. The Description: Designing more complex buildings than in the previous course with programs that are more sophisticated and requirements, and more emphasis on visual and functional aspects, and the structural, economic, social, and environmental factors influencing the design.



FI12-3, Rev. c

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2. Objectives:

1. To introduce the students of the relationship between human beings and architecture (such as, human, scale, etc.)
2. To teach the students how to do simple research for design projects, and how to develop an appreciation of architecture that may help the student in his/her designs,
3. To teach the students how to design spaces with various functional requirements more than one level.
4. To teach students how to analyze and study the site and context of the given project.
5. To teach students how to relate the function to the form through spatial organization and relationships between spaces, also through concept development.

5. Learning Outcomes of the Course:

Upon successful completion of this course, the student should be able to:

1. Recall what have been learned in the previous design courses, and use it in their work,
 2. Collect the data necessary for their design projects, and use it in an efficient and effective way in their work,
 3. Articulate their thoughts and ideas whether verbally or graphically using manual means; the use of computers for the production of drawings at this level is totally unacceptable,
 4. Properly use all the technical terms involved, and be able to pronounce and write them correctly, whether in English or in Arabic,
 5. Properly Design a simple building according to a given program, efficiently passing through the various design stages, taking into consideration the physical and cultural context of the project (i.e. location, topography, climate, history, style, etc.), beauty, functionality, structure, interior design & furnishing, and landscaping.
6. Write down and sketch in their own way a proper body of notes that represent the knowledge presented throughout the lectures, and further enriching these notes by consulting the references available.



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6. Learning Outcomes of the Program:

1. Implement concepts of architecture with high proficiency.
2. Keep pace with intellectual and practical developments to fulfill the varying needs of society.
3. Understand the importance of local heritage and preserve it.
4. Understand the diverse civilizations of the world and boost cultural exchange.
5. Apply innovation and critical thinking on various fields of Architecture.
6. Find creative and innovative solutions for various design dilemmas.
7. Use high skills in expressing and communication.
8. Continuously learn how to conduct research and apply it in professional practices.
9. Adhere to professional ethics and principles of practice.

7. Teaching Methods

1. Theoretical Lectures using PowerPoint presentations and videos.
2. Discussion and design improvement either individually or collectively for specific assignments and projects.

8. Evaluation Methods and their Percentage Value %

#	Evaluation	Value	Description
1.	2 Main Projects: -Analysis phase -Development -Pre-final -Final	15% 30% 15% 20%	Weekly submission
2.	Sketch designs	20%	sketch designs
Total		100%	



9. The Timetable for the Implementation of Course

Week	Subject	Reference in the Course Book (Pages)	Number of Educational Output of the Course	Output Number of the Program
1	Introduction to the course	---		1,5,6,7
2	-Presentation about site analysis and design method -Site visit	---	1,2	1,5,6,7
3	Submission of the first stage of case studies. Site analysis discussion and presentation submissions	---	1,2,5,6	1,5,6,7
4	Site layout and bubble diagram-(precepts)	---	1,2,5,6	1,5,6,7
5	Functional zoning Submit concept narrative, methodology, site layout & massing	---	1,2,3	1,5,6,7
6	Floor plans	---	1,2,5,6	1,5,6,7
7	Sketch design 1	----	2,4,5,6	1,5,6,7
8	Elevations & sections	---	1,2,4	1,5,6,7
9	Modeling and Massing for Design	---	2, 3, 5	1,5,6,7
10	-Preliminary design submission -Discussion & feed back	---	1,2	1,5,6,7
11	Final Submission	---		1,5,6,7
12	Second project	---	2,5	1,5,6,7
13	Site layout and bubble diagram-(precepts)	---	3,4,6	1,5,6,7
14	Functional zoning Submit concept narrative, methodology, site layout & massing	---	3,4,5,6	1,5,6,7
15	Final submission	---	3,4,5,6	1,5,6,7



10. Course Policies

1. Attendance: Students are expected to attend all classes of this course (without exception). A prior approval is required for class absence except for emergencies. However, any student with 15% short attendance will be not be allowed to attend the final exam, and may better drop the course.
2. Delays: Students are not allowed to come late to class. Any student coming more than 5 minutes late will be marked absent. However, he/she may still be allowed to attend the class in spite of being marked absent if he/she wishes to do so, on the condition that the student does not make a habit of it, and that the number of tardy students is limited to a little number of very special cases.
3. Examinations: Failure in attending a course exam will result in a zero mark unless the student provides an excuse acceptable to the instructor, the Head of the Department, and the Dean who approves a re-sit exam. It is the student's responsibility to attend the exam at the correct time and place. The first and second exam papers will be returned to the students.

Re-sit Exams: The student will not be allowed to re-sit an exam unless he/she furnishes the institute with written evidence of the following cases: Sickness (by providing a medical report stamped by University physician within the time limit stated by the University), the death of a member of his/her family, an accident. In the case of natural disasters or severe conditions that affect all students in general (e.g. heavy snow storms) the situation shall be properly handled and announced by the administration.

4. Homework and Projects: Exercises will take place in the class room and will be continued at home.

5. Attending the Exams and Meeting the Deadlines:

In the event that a student shows up late for the 1st or 2nd exam, he/she will be permitted to attend the exam on the condition that none of his/her has already left the room; also he/she will not be allowed any extra time. In the event that a student is more than 30 minutes late for the final exam, he/she will not be permitted to attend the exam.

6. Cheating and Punishment: Cheating is an attempt to gain marks dishonestly and includes: Copying from another student's work, using materials not authorized by the institute or instructor, collaborating with another student during a test without permission, knowingly using, buying, selling, or stealing the contents of a test, getting help from outside during a test by using any kind of electronic device, etc.

