



Amman - Jordan

Study Plan

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| Faculty | Faculty of Architecture and Design |
| Specialization | Architecture Engineering |
| Semester | Second |
| Academic Year | 2019 - 2020 |

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|---------------|------------------------|
| Course Name | Architectural Design 4 |
| Course Number | 1101382 |

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.



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

1. Lecturer Information

1. Lecturer Name: Dr.Niran Moh. AL Shaikhli
2. Office Number: B 348
3. Phone Number: 06-4790222/367
4. Email: nalshikali@meu.edu.jo
5. Office Hours: Sat (8:00 – 10:00), Mon & Wed. (12:00 -14:00), Sun. & Tues. (12:00 – 14:00)

2. Place and Date of the Course

1. The Days and Time of the Course: Sun. & Tues. (8:00:00 -11:30)
2. Place: E 10
3. Course Laboratory (if any):

3. Sources and References

1. Course Book:

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. Justin Henderson, 2000 , "Museum Architecture", ,Publis Architectural talent.
2. Jacobo Kraul, 2013 , "New Concepts in Museums Architecture", linksbooks.net.
3. Neufert, Ernst et al. Architect's Data. 2012 Wiley,.
4. . "Contemporary Architecture". Broto, E C., 2009, Links Books.
5. "Eco-Friendly Architecture". Broto, 2009Links Books.



2. Other References:

6. Uffelen, Chris van. 2013 “Urban spaces: plazas, squares and streetscapes “. Links Books
7. Relevant design books and periodicals are available at the University Library. Electronic libraries are another useful source for a wide range of contemporary design projects. Students can enrich their architectural vocabulary through continuous exposure to published design projects by local and internationally prominent architects. It is necessary to build your own architecture library

Lecture Notes: The student is responsible for taking notes during the lecture in a special notebook or folder. The student’s notebook may be collected at any time without prior notice for the purpose of follow-up and evaluation

4. Course Description:

1. The Description:

Architectural Design (2) – 5 Credit hrs.

This course has two sides:

1. The theoretical, which consists of a series of lectures about the conceptual and intellectual side of architecture and architectural design in order to guide the student through the various design stages of the given project(s),
2. The practical lectures, i.e. the design studio classes where students work on their projects, submit their work to be discussed in general and/or individual ‘crit’ sessions.

2. Objectives:

The objective of this course is to improve the student ability and skills in dealing with special architectural design problems of simple nature. The design of “A Preschool “building. The design project should respect with the local building codes and regulations including the Jordan Green Buildings Guide

5. Learning Outcomes of the Course:

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

1. **Comprehend:** the concepts of a preschool which can reap high investments.



2.Use: appropriate design methods of: Site Analysis; Program Details; Area Requirements; Standards; Design Criteria; Function; Circulation; Fitting within Urban Context; Etc.

3.Apply: Functional Analysis; Simple Structural System; Integration of Electro-Mechanical Facilities; Finding Relevant Case Studies; Analysis of Regional and International Examples.

4. Contemplate: Architectural Concept; Image; Form; Aesthetics; New Building Materials; Integration of 2D with 3D internally and externally.

5. Prepare: Full Set of Design Drawings with 3D Illustrations and Model.

6. Express: verbally and in writing his/her scheme in a professional manner to the client to be.

6. Learning Outcomes of the Programme:

In their professional career, students of the course will be able to:

1. Implement concepts of architecture with high proficiency.
2. Continuously learn conduct design methods and apply it in professional practices.
3. Use high skills in expressing and communication

7. Teaching Methods

- Theoretical lectures and discussions.
- Lectures by external expertise in the field
- Library visits
- visit the project site

8. Evaluation Methods and their Percentage Value %

| # | Description | Weight | Description |
|----|------------------|--------|--|
| 1. | 2 sketch designs | 20% | <ul style="list-style-type: none"> - Small scale one-week project - Small scale one-day project. |
| 2. | Final Exam | 30% | <ul style="list-style-type: none"> - Final Project submission |



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| 3. | Project design development | 40% | <ul style="list-style-type: none"> - Team work - Individual work - Class weekly Presentations |
| 4. | Participation Studio involvement | 10% | <ul style="list-style-type: none"> - Attendance, punctuality ,conduct - Initiatives - Participation in discussion - Student contribution and cooperation |
| Total | | 100% | |

9. The Timetable for the Implementation of Course

| Week | Topics to be covered | CLOs | PLOs |
|------|--|------|------|
| 1 | Introduction to Course goal & objective | 1-3 | 2 |
| 2 | Sustainable Analyze Study for Student Home (<i>Small scale one-week project</i>) | | |
| 3 | <p><i>The final submission of</i> Sustainable Analyze Study for Student Home”</p> <p><i>The project “Museum”</i> Characterization of the project, clarify the elements and requirements of the project, a general discussion on the project with students.</p> <ul style="list-style-type: none"> - visit the site, the division of students into groups in order to prepare the analytical site ,preliminary studies and gather information on the laws and regulations applied at the domestic level system | | |
| 4 | <ul style="list-style-type: none"> - The groups of students prepare analytical initial studies of the project. - Submission of studies for the purpose of clarifying the Site analysis and Case study analysis for the project/ Discuss the groups work - Study and analysis of similar examples | | |



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| | local and international and extrapolated the statement of the main design characteristics by groups of students. - Discuss the groups work/ Discuss the individual work - Submit a final phase of studies and evaluation of progress | | |
| 5 | -The primary design concept -Design development/ the primary concept with the required Green building strategies, shadow analysis and Start with Bubble diagram & zoning plans, sections, - A group Criticism | 1-5 | 1-2 |
| 6 | Design development/ the primary concept with the required plans, sections, elevations Sketch Model. Work on structure and develop green systems Individual Criticism | | |
| 7 | Design development/ the primary concept with the required plans, sections, elevations/ Individual Criticism | | |
| 8 | - Submit a final design for the primary concept with the required, Architectural drawings: Plans, sections, elevations, construction system, outdoor and indoor integration / 3D illustrations, mass model. evaluate progress - Sketch Model Test | | |
| 9 | - Complete the development of the project plans / sections elevations, architectural and construction details -A group Criticism -Individual Criticism | 1-5 | 1-3 |
| 10 | - Complete the development of the project plans / sections elevations, architectural details illustrations, Perspectives of internal and external to the most important spaces in the project - Individual Criticism | | |
| 11 | - Complete the development of the project plans / sections elevations, architectural details illustrations, Perspectives of internal and external to the most important spaces in the project - Individual Criticism | | |
| 12 | - Complete the development of the project plans / sections elevations, architectural details illustrations, Perspectives of internal and external to the most important spaces in the project - Individual Criticism | | |
| 13 | Pre-final submission Architectural drawings: Plans, sections, elevations, circulation, function, construction system, | 1-6 | 3-1 |



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| | outdoor and indoor integration,3D, architectural and construction details . - Individual Criticism | | |
| 14 | - Development of the project, Individual Criticism | | |
| 15 | <i>The final submission Full set of architectural drawings, plans, sections, elevations, architectural and construction details, 3D, and design model. & hand in CD</i> | | |

10. Course Policies

- They are demonstrated according to the Regulations of Granting the degree (Bachelor and Masters) / Student Guide.
- They Should Be Explained to the Students in the First Meeting.

1. Attendance:

- a. Students must attend all classes of this course.
- b. Any student with absence of 15% of the classes of any course, will be illegible to sit for the final exam and will be given the university zero (35%) in this course.
- c. In the case (b) above, if a student submits an official sick report authenticated by university clinic or an accepted excuse by the Dean of his/her faculty, the student will be considered as withdrawn from the course, and a "W" will be shown in the transcript for this course

2. Delays:

Students are not allowed to come late to classes. Any student coming late will not be allowed to attend the class and he/she will be marked absent.

3. Examinations:

- Failure in attending a course exam other than the final exam, will result in zero mark unless the student provides an official acceptable excuse to the instructor who approves a makeup exam.
- Failure in attending the final exam will result in zero mark unless the student presents an official acceptable excuse to the Dean of his/her faculty who approves an incomplete exam, normally scheduled to be conducted during the first two weeks of the successive semester.

4. Homework and Projects:



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Homework Assignments and projects should be submitted to the instructor on the due date. Zero mark will be given for late submissions unless the student has an acceptable excuse approved by the instructor of the course.

5. Attending Exams and Meeting Deadlines:

- A student who is late more than 10 minutes will not be permitted to sit the exam (first, second or mid exams).
- A student who is late more than 30 minutes will not be permitted to sit to final exam, and no student will be permitted to leave the exam center before the elapse of 30 minutes.

6. Cheating and Punishment:

The minimum penalty for cheating is an automatic Zero for the test or assignment leading to a possible “F” for the course. The exam invigilator will produce a report on the case to the examination committee chairman. The report will be kept in the student file. The student may remain seated in the exam center, but in case that causes a disturbance to other students, the student will be expelled out of the exam center if approved by the examination committee chairman. A second offense will result in the immediate suspension of the student for the remainder of the current semester. A copy of the decision will be kept in the student file

