



Amman - Jordan

Study Plan

Faculty Architecture and Design
Specialization Architecture Engineering
Semester Second
Academic Year 2019/2020

Course Name Graduation Design Project
Course Number 1101582

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: Wael Waleed Al-Azhari
2. Office Number: 341B
3. Phone Number: 06 4790222 ext. 267
4. Email: dean-archdesg@meu.edu.jo
5. Office Hours: 13:00-14:00 Saturday, Monday, Tuesday, Wednesday

2. Place and Date of the Course

1. The Days and Time of the Course: 11:00-19:00 Thursday
2. Place: 341B
3. Course Laboratory (if any):

3. Sources and References

1. Course Book:

Baker, G. (1996). *Design Strategies in Architecture: An Approach to the Analysis of Form*, First Edition. London: Taylor & Francis.

2. Other References:

Barney, G. (2007). Theoretical Elaboration of Quantitative Data. *The Grounded Theory Review*, 6(30), 1-37.

Borden, I. and Ruedi, K. (2001). *Architectural Research Methods*. New York: John Wiley.

Broadbent, G. and Ward, A. (1969). *Design Methods in Architecture*. London: Lund Humphries.

Ching, F. (1996). *Architecture: Form, Space, & Order*, Second Edition. New York: Van Nostrand Reinhold.

Cross, N. (1984). *Developments in Design Methodology*. New York: John Wiley and Sons Ltd.

Laurel, B. and Lunenfeld, P. (2004). *Design Research: Methods and Perspective*. Cambridge: the MIT Press.

Segers, N. (2004). *Computational Representations of Words and Associations in Architectural Design*. Eindhoven, NL: Eindhoven University of Technology.

4. Course Description

1. The Description:

Preparing for the graduation project by conducting the research necessary for designing: a building program for a real project on a real site within the city. Following a clear and comprehensive methodology that leads the student through the process of defining the design problem and planning the course of resolving it, collecting the necessary data, the proposal of a number of conceptual design alternatives; the presentation of the research in a final report.

2. Objectives:

- The course increases the student's ability to make informed decisions between different working methods and representational techniques in architectural projects. Analog and digital, as well as text-based and visual tools and representation methods are combined in the project work.
- The course develops students' understanding of architecture in relation to society and its changes.
- The students explore how architectural structures and public spaces interact in different contexts at local, regional, and global levels.
- The students trained to see both the individual and societal perspectives on the organization and design of environments.

5. Learning Outcomes of the Course

1. Discuss architectural boundaries and relations between private and public space
2. Interpret and choose a design site with a number of parameters.
3. Interpret and develop an architectural programme with a number of parameters.
4. Understand and describe space and spatial relations within a complex architectural structure.
5. Integrate construction principles in the project work.
6. Show understanding for the user perspective on architecture and buildings in the community.
7. Communicate the result of the project work to the public.
8. Reflect on the work process.

6. Learning Outcomes of the Programme

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 conduct research and apply it in professional practices.
9. Adhere to professional ethics and principles of practice.

7. Teaching Methods

Design Project engages students in the production of an integrated proposal for a building design of a specific topic in response to a set

of constraints and requirements. Teaching and learning conducted through regular studio classes in which students will develop their individual design proposals under the facilitation of a studio tutor.

8. Evaluation Methods and their Percentage Value %

#	Evaluation	Value	Description
1.	Exams	20%	Two Design Juries
2.	Final Exam	40%	Final Design Jury
3.	Homework	30%	Design Development
4.	Participation	10%	Readings
Total		100%	

Topics to be Covered		
Contact hours	No of Weeks	List of Topics
6	1	Project and Site Selection
6	1	Concept of the Project
12	2	Layout Study
12	2	Plans Study
12	2	Facades Study
12	2	Sections Studies
12	2	3D Study
18	3	Review and Presentation
6	1	Jury
96	16	Total

9. The Timetable for the Implementation of Course

Week	Subject	Reference in the Course Book (Pages)	Number of Educational Output of the Material	Output Number of the Programme
1	Course Overview	xix-xxi	1	1,2,8
2	Site Analysis	3-58	2,4	3,4,7
3	Site Analysis	3-58	2,4	3,4,7
4	Site Analysis	3-58	2,4	3,4,7
5	Case Studies	159-185	1,4,5	2,3,4
6	Case Studies	159-185	1,4,5	2,3,4
7	Case Studies	159-185	1,4,5	2,3,4
8	Jury		7,8	7,8,9
9	Brief Requirements	157-185	3,4	3,4
10	Brief Requirements	157-185	3,4	3,4
11	Brief Requirements	157-185	3,4	3,4
12	Brief Requirements	157-185	3,4	3,4
13	Architectural Design Concept	63-83	1,4,5	2,6,7
14	Architectural Design Concept	63-83	1,4,5	2,6,7
15	Architectural Presentation	283	6,7,8	2,7
16	Final Jury		7,8	7,8,9

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:

Architectural professionals understand the importance of being present, on time, with work completed. Adherence to these professional attributes begins in architectural education. To that end, the Faculty has established a policy to underscore the importance of full attendance, except for illness or religious holidays, not exceeding 15% of the total number of classes.

2. Delays:

Late work will not be accepted for full credit. A late penalty of 10% per day will be assessed against work turned in late. All assignments are expected to be complete and turned in, but only work that is turned in on time will be eligible for full credit. It is your responsibility to use class time effectively.

3. Examinations:

Students absent from a required presentation, assignment, or examination will receive, without exception, an F for that presentation, assignment, or examination. Students appearing more than 15 minutes late for a critique will be considered late and will not receive a critique. Two late arrivals will count as one absence.

4. Homework and Projects:

Assignments/projects are generally posted to the instructor's web site. If a student misses class for any reason, please check the site, there will usually be useful information, so that the student does not fall behind.

5. Attending the Exams and Meeting the Deadlines:

There will be intermediate design reviews during the course of each project. Attendance and participation in design reviews are mandatory. Usually one studio session or a part of a session is used for final review of each design project. Students should be prepared to orally present their work at intermediate reviews as well as final reviews.

6. Cheating and Punishment:

First Offense

On the first infraction, the student will be given a zero on the assignment and will be given the opportunity for a second chance in avoiding future infractions.

The student, parent/guardian, and school counselor will be sent a message/email notifying them of the offense, the action taken, and the consequence if a second infraction occurs.

The infraction will be documented in the student's file.

Second Offense

On the second infraction, the student will be administratively removed from the course and assigned a "Dropped" status. Please review the Withdrawal Policy for more information.

The student, parent/guardian, and school counselor will be sent a message/email notifying them of the offense, the action taken, and the consequence, which is removal from the course.

The infraction will be documented in the student's file.



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