

The University of Jordan	 THE UNIVERSITY OF JORDAN	
School of Engineering		كلية الهندسة
Department of Architecture Engineering		قسم هندسة العمارة

Course Syllabus

Year : 2014/ 2015

Semester : 1st Fall

Course No.	Course Title	Prerequisite	Co-requisite	Credit Hours Lectures / Lab.
0902423	ARCHITECTURAL DESIGN (5)	0942324	no	ARCH. WORKSHOP 106 Su, Tu, 08:00-12:00

Instructor Name	e-mail	Office No.	Office ext.	Office Hours
Pro.Rizeq N S Hammad Dr.Omar M N Amireh	omaamir@msn.com	A309	22956	Th 11-12

Coordinator's Name: (if applicable)	O M Amireh
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Course Description	Architectural Design (5) is about designing in certain Architectural Complexities and that include spatial, structural, infrastructure, services and uses complexities. It is also designing in advanced environmental systems and variable users experiences. It deals with design behavior and psychology. Above all to design applicable and real solution that best incorporates and features the latest trends and movements of architecture.
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Course Objectives

- To incorporate and to evaluate and to test all previous design experience
- To explore new ways of design thinking, design visions or concepts and design applications
- To relate, real with virtual, function with experience, perceive with cognize.
- To work in complexities of environments, systems, uses and experience.
- To standup to the challenge of the real world and the real architecture.

Course Intended Learning Outcomes (ILOs) and their Alignment with Program ILOs:

Upon successful completion of this course, students are expected to achieve the following learning outcomes:

1. Understanding the design process, procedures and methodologies
2. How to turn relative concepts into absolute design
3. Knowing the differences between design thinking, design concepts and design applications
4. Dealing with advanced systems and mega size structures and spatial complexities

Course Schedule:

Week	Topics	Topic Details	Reference
1	Introduction and warm-up exercise	Course Syllabus, methodology, content and context	10%
2	Main 12 weeks Project Idea Set	Proposed: Aqaba Airport Terminal, Amman Conference Palace, House of Parliament Statement, Goals, Objectives, Events and Activities	60%
3	Site Characteristics and criteria Stage one Discussed	Selection, Evaluation, Measurements, Programs etc. Visits if applicable Report, Poster presentation	
4	Design Design Development Thinking	Precepts, Thematic, Schematic, Concept Graphic Report	
5	Vacation	10 Hijri Sacrifice Feast 3EID ALADHA	
6	Preliminary Design	Ideas and Sketches 2D 3D and any types of media	
7	Preliminary Design	Events & Activities Users Experience incorporated	
8	Design Development	Drawings	
9	Design Development	Drawings	
10	Design Development	Drawings & Images	
11	Design Presentation	Images	
12	Design Presentation	Poster presentation External Jury	
13	Detailed Design Building Sciences	Main Part blown-up, Environmental, Green Sustainable Energy considerations	
14	Systems Design	Acoustics, Lighting, Structure, HAVAC	
15	Advanced Design	Provide Proofing of Excellent Design	
16	Participation		10%

Assessment Methods:

Assessment method	Grade	Comments
Internal and External Discussion & Juries	70%	Spread over the 15 weeks see above
Juries External final	20%	Considered as Final Exam
Participation Attendance	10%	
Total	100	

Alignment of Teaching and Learning Methods, Assessment and Course ILOs:

Teaching method	Contact Hours	Assessed through	ILOs numbers
Studio	80	Discussion	40%
Jury	20	Critic	40%
Site Visits	10	Analysis	10%
Merits	open		10%

Approved by	Name	Date	Signature
Head of Department			
Faculty Dean			