



**Jordan University of Science and Technology**  
**Faculty of Architecture And Design**  
**Architecture Department**

ARCH711 Design Methods And Strategies
First Semester 2021-2022

Course Catalog
3 Credit Hours. The purpose of this course is to familiarize students with the fundamental conceptual tools and embodied processes of architectural design. Students will get an understanding of the many ways architects approach design and the various design tools that function as practical instruments for architectural output. These methods are often drawn from the investigation of a number or disciplines. The aim of this course is to provide students with the knowledge and abilities necessary to create design and research strategies in a variety of fields of architectural research. The course will be conducted in a seminar-style. Students will contribute to seminars by conducting an independent study and presenting critical analysis of assigned readings.

Text Book	
<b>Title</b>	How designers think
<b>Author(s)</b>	Lawson. B. (2006).
<b>Edition</b>	1st Edition
<b>Short Name</b>	Ref#1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref#2	Developments in design methodology	Cross. N. (1984).	1st Edition	
Ref#3	Revealing architectural design: methods, frameworks and tools.	Plowright. P. D. (2014).	1st Edition	

Instructor	
<b>Name</b>	Dr. BUSHRA OBEIDAT
<b>Office Location</b>	-
<b>Office Hours</b>	Sun : 09:00 - 11:00 Mon : 10:00 - 11:00 Tue : 09:00 - 11:00 Wed : 12:00 - 13:00
<b>Email</b>	bbobeidat@just.edu.jo

Class Schedule & Room
Section 1: Lecture Time: Wed : 08:30 - 11:30 Room: LAB

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2, 3	CONCEPTUAL FOUNDATIONS	From Ref#3
Week 4	Proposal for Research topic ? Research Frame Work	
Week 5	THINKING TOOLS	From Ref#3
Week 6	FRAME WORKS AND METHODS	From Ref#3
Week 7	Research Framework Presentation	
Weeks 8, 9	Architectural design tools and techniques	
Week 10	Research Results	
Weeks 11, 12	Architectural design tools and techniques	
Week 13	Submission of DRAFT research paper	
Week 14	Final Student Presentation	
Week 15	Discussion and Debate	
Week 16	Final Submission research paper	

<b>Mapping of Course Outcomes to Program Student Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
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Provide a foundation in theories of architectural design methods and strategies. [1A.A1]	25%	
Learn theories relevant to different aspects of design methods. [1A.A1]	25%	
Gain an understanding of and familiarity with the literature related to design theories [1A.A3]	25%	
Develop critical ability to use design methods in research and practice [1A.A3]	25%	

Relationship to Program Student Outcomes (Out of 100%)																									
A.A1	A.A2	A.A3	A.A4	A.A5	A.A6	A.A7	A.A8	B.B1	B.B2	B.B3	B.B4	B.B5	B.B6	B.B7	B.B8	B.B9	B.B10	C.C1	C.C2	C.C3	D.D1	D.D2	D.D3	D.D4	D.D
50		50																							

Policy	
Policies, attendance, submissions and regulations	<p>Student Work Submissions: Punctuality is a symbol of professionalism and responsibility. All student works must be submitted on time and in both hard and digital format in order to be considered for full credit.</p> <p>Late submissions: Work not submitted by the due date, except with valid prior notification and/or substantiation, is a late work and will not be accepted for a full grade. Submission of work that past the due date will result in a reduction of 20% of full grade for each day (24 hour) late.</p> <p>Attendance: Attendance is mandatory and very important for your progress. Each unexcused absence will result in a reduction of the attendance grade from the final grade for the course. If you have a university excused absence and are unable to turn in your completed work, you must consult with your instructor and turn in all work completed up to that time to be eligible for an extension on your assignment. Attendance is defined as participation in all class activities including group and individual critiques, lectures, presentations, demonstrations, discussions, and in-class assignments.</p> <p>Late Attendance/Early Departure: Students must be present and attentive in the lecture hall during the time of the class which is 8:30 am-11:30pm Wednesday. Two late attendances or early departure from the class will be considered and counted as one full absence. Attendance will be recorded by the instructor.</p> <p>Class policy: Commitment and professional responsibility towards the lecture hall should be respected, such as timing, instructors, assistants, colleagues and existing furniture. Do not leave food, bottles or cans in the lecture hall.</p>

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