

TISHK INTERNATIONAL UNIVERSITY FACULTY OF ENGINEERING Department of ARCHITECTURE, 2021-2022 Spring Course Information for ARCH 421 ARCHITECTURAL DESIGN VI					
Course Name:		ARCHITECTURAL DESIGN VI			
Code ARCH 421	Regular Semester 8	Theoretical 2	Practical 10	Credits 7	ECTS 12
Name of Lecturer(s)- Academic Title:		Omar Abdulwahhab - MSc			
Teaching Assistant:		Miss Frya Ismail, Miss Fatma Omar, Miss Jenan			
Course Language:		english			
Course Type:		Main			
Office Hours		Wed. 09:00 - 12:00			
Contact Email:		omar.abdulwahab@tiu.edu.iq Tel:07710239472			
Teacher's academic profile:		MSc Urban Design - University of Technology-Iraq BSc. Architectural Engineering - University of Technology-Iraq			
Course Objectives:		This course aims to expand the view of the students and help them to move from thinking about the design of a single building with a specific function to go out into multi-functional building with different departments or parts and how to link the project parts with visual and movement paths.			
Course Description (Course overview):		In this course students learn the concepts and basic principles of residential compound, in addition to identify the problems of housing in the country and try to reach some of the solutions to solve them through the design of a whole housing project, so we will divide the project into two phases, the first one is about the whole concept of the studied area and is being done by many students in group while the second phase focuses on each part and detail of this concept or project.			
COURSE CONTENT					
Week	Hour	Date	Topic		
1	2	6-10/2/2022	Projects allocated to students		
2	2	13-17/2/2022	Similar Examples Analysis		
3	2	20-24/2/2022	Site analysis, factors determining site capacity, environmental factors		
4	2	27/2-3/3/2022	Concept Generation		
5	2	6-10/3/2022	schematic plan Generation		
6	2	27-31/3/2022	Circulation studies		
7	2	3-7/4/2022	land use distribution		
8	2	10-14/4/2022	Midterm Exam		
9	2	17-21/4/2022	functional study 2D		
10	2	24-28/4/2022	functional study 3D		
11	2	8-12/5/2022	transformation stages (Form)		
12	2	15-19/5/2022	Areas programs and landscape		
13	2	22-26/5/2022	studies of theater part		
14	2	29/5-2/6/2022	studies of transportation		
15	2	5-9/6/2022	Final Exam		

16	2	12-16/6/2022	Final Exam
COURSE/STUDENT LEARNING OUTCOMES			
1	Collecting information and Knowledge about health buildings through theory and case studies.		
2	Identifying the issues and information that learned or rose in theory and case study that is provided for analysis.		
3	Identify the main problems and priority of issues that should be considered in space diagram, functional requirement and design method.		
4	Using auto cad drawing and 3D max to present the idea, Multi stage development of design until final presentation		
COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES (Blank : no contribution, I: Introduction, P: Profecient, A: Advanced)			
Program Learning Outcomes			Cont.
1	Apply problem-solving skills in the architectural context.		A
2	Demonstrate knowledge of architectural history, theory, and practice in solving architectural design problems.		I
3	Utilize freehand drawing, architectural graphics, and model building skills in solving architectural design problems.		A
4	Utilize the computer as a tool in a wide range of documentation and presentation applications, using CAD, 3-D visualization and rendering, electronic image composition and editing software.		A
5	Apply knowledge of mathematics, science, engineering and technology in solving architectural design problems.		I
6	Develop designs that meet desired needs within realistic economic, social, political, and cultural constraints.		A
7	Develop designs that fulfill the environmental, health & safety, and sustainability considerations.		A
8	Demonstrate team-working skills and show the ability to work collaboratively with various design teams involved in the building industry, and collaborate and negotiate with clients.		P
9	Demonstrate the necessary knowledge for applying laws, codes, regulations, standards and practices in relation to building construction systems.		
10	Show their ideas through high quality drawing skills and artistic sense.		
11	Utilize their skills to address professional and ethical responsibilities, diversity and commitment to the work field.		
12	Suggest solutions and techniques for engaging in life-long learning and knowledge about contemporary issues.		
Prerequisites (Course Reading List and References):		Joseph De Chiara: Time-saver standards for building types; McGraw-Hill Book Company. Neufert ,Architects data Urban design Reader,Urban places public spaces.	
Student's obligation (Special Requirements):		Students are required to do studio and classwork according to the teaching program. They are obligated to attend to the lecture as this lecture is all related to practicing techniques to improve architecture design skills as well as all trail tests and exam	
Weekly Laboratory/Practice Plan:		Week	Hour
		Date	Topics
		1	1
		6-10/2/2022	Projects allocated to students
		2	1
		13-17/2/2022	Similar Examples Analysis and site visit
		3	1
		20-24/2/2022	Site analysis, factors determining site capacity, environmental factors
		4	1
		27/2-3/3/2022	Day Sketch 1
		5	1
		6-10/3/2022	Concept Submission
		6	1
		27-31/3/2022	Alternatives design concepts to be submitted for approval
		7	1
		3-7/4/2022	Floor plan design
		8	1
		10-14/4/2022	1st Prelim submission

	9	1	17-21/4/2022	Floor plan design matching form & Structure
	10	1	24-28/4/2022	Day Sketch 2 architectural design strategy
	11	1	8-12/5/2022	Floor plan design matching form & Structure (architectural design)
	12	1	15-19/5/2022	Second Prelim Submission
	13	1	22-26/5/2022	Design Sections & Elevations
	14	1	29/5-2/6/2022	Pre- final submission
	15	1	5-9/6/2022	Development of elevations and details
	16	1	12-16/6/2022	perspectives and interiors
Course Book/Textbook:	Joseph De Chiara: Time-saver standards for building types; McGraw-Hill Book Company. Neufert ,Architects data Urban design Reader,Urban places public spaces. Planning and Design for Educational Architecture: Universities & Colleges I			
Other Course Materials/References:	Architectural Website,videos,Photos.			
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Seminar, Project, Assignments, , ,			
COURSE EVALUATION CRITERIA				
Method			Quantity	Percentage (%)
Seminar			2	5
Participation			2	5
Homework			1	10
Project			1	20
Presentation			1	10
Final Exam			1	40
			Total	100
Examinations: Essay Questions, True-False, Fill in the Blanks, Multiple Choices, Short Answers, Matching, , ,				
Extra Notes:				
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD				
Activities			Quantity	Workload Hours for 1 quantity*
Theoretical Hours			16	2
Practical Hours			16	10
Final Exam			1	40
Seminar			2	20
Participation			2	22
Homework			1	22
Project			1	22
Presentation			1	22
Total Workload				302
ECTS Credit (Total workload/25)				12.08

Peer review

Signature:

Signature:

Signature:

Name:
Lecturer

Name:
Head of Department

Name:
Dean