

<p style="text-align: center;">TISHK INTERNATIONAL UNIVERSITY FACULTY OF ENGINEERING Department of ARCHITECTURE, 2021-2022 Spring Course Information for ARCH 321 ARCHITECTURAL DESIGN IV</p>					
Course Name:		ARCHITECTURAL DESIGN IV			
Code ARCH 321	Regular Semester 6	Theoretical 2	Practical 10	Credits 7	ECTS 10
Name of Lecturer(s)- Academic Title:	Azad Ahmed - MSc Nawaz Dabbagh - assistant lecturer Shallow Hamza - Assistant Lecturer				
Teaching Assistant:	NA				
Course Language:	English				
Course Type:	Main				
Office Hours	09:00 am - 12:00 pm				
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Teacher's academic profile:	graduating in Technical university of Winne, MBa in architect design. MSc. TU Delft MSc in Architectural Engineering				
Course Objectives:	<p>This subject is a part of architectural design series concerned with hotel buildings design through the five year program of studying architecture. The specific importance of this subject is in the size and details required in such complex building. That can be said as the first step in designing complex buildings as the student is transferred from junior to senior stages in next years. The subject or topic is based on the studio hours in addition to homework; the main stages can be concluded within; first analyzing the building determining its main contents and departments through a synthetic process, parallel to that site analysis and similar examples reviews will be done to enhance the new design. The following steps will be according to the common trend in design process reaching the final design. Parallel to studio practical hours, the two theoretical hours supports delivering information and knowledge concerning design of building departments and main zones types of circulations. Different types will be presented for students as they form elements within urban areas in mixed use developments, in addition to suburban developments and outside urban location might be needed as main touristic function. The students will be directed to get experience in the following issues; 1. Collecting information and Knowledge about hotels within single and or mixed uses areas. 2. Building a background through identifying the issues and information that learned or rose in theory and case studies that is provided for analysis. 3. Space organization focusing on priority of issues that should be considered covering space relations diagrams, functional requirement and design method. 4. Preparing general site development strategies, then analyzing the project program 5. Focusing on single departments, as a basic component of building. 6. The ability to control and deal with multi-department buildings as the first exposure to such level of complication in spaces arrangements. 7. Using auto cad drawing and 3D max to present the idea, 8. Multi stage development of design until final presentation</p>				
Course Description (Course overview):	In this course the student will design a multi function project specifically a 4-star hotel . The student will starts from getting intensive theoretical lectures about hotel contents and departments . Followed by site requirements for the hotel intended to be his task to be accomplished by the end of semester passing through, Data Collection then Concept followed by Design to the Presentation of the project. He will start with establishing a concept making use of theory of design main items of design concepts.				
COURSE CONTENT					
Week	Hour	Date	Topic		
1	2	6-10/2/2022	Review of hotels as single or within multifunction projects.		
2	2	13-17/2/2022	Similar examples analysis		

3	2	20-24/2/2022	Site selection and visit
4	2	27/2-3/3/2022	Zoning of different departments of the hotel, G.F and b1 and b2
5	2	6-10/3/2022	Site zoning and solution
6	2	27-31/3/2022	Ground and first floor preparation and discussion space program
7	2	3-7/4/2022	Ground and first floor preparation and discussion, space requirement
8	2	10-14/4/2022	Midterm Exam
9	2	17-21/4/2022	Midterm Exam
10	2	24-28/4/2022	Site and building interrelations
11	2	8-12/5/2022	Site and building interrelations
12	2	15-19/5/2022	Elevations and sections
13	2	22-26/5/2022	Elevations and sections
14	2	29/5-2/6/2022	Pre-final submission
15	2	5-9/6/2022	Final Exam
16	2	12-16/6/2022	Final Exam

COURSE/STUDENT LEARNING OUTCOMES

- 1** Reports of site visit and similar examples analysis.
- 2** Developing skills of departmental interrelationships.
- 3** Drawing presentations to enhance ability to discussions of basic concept and department solutions
- 4** Drawing production in terms of sets that will give a clear idea about their tendencies and capacities about the topic and design as a whole.
- 5** seminars interns of group power-point presentations

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.			P	
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.				
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.			P	
5	Apply knowledge of mathematics, science, engineering and technology in solving architectural design problems.			P	
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.			P	
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.			I	
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):		Medium and Higher level of previous design skills in addition to drawing techniques, capability to move semi independently to collect data and make site analysis in addition to projects analysis			
Student's obligation (Special Requirements):		1. Building overview knowledge of the surrounding urban area context, current city and suburban configuration and functions. 2. Identifying the positive achievements and shortcomings of the area. 3. carrying out proposals for new trends of development 4. Analyzing specific buildings functions. 5. Designing basic layouts for the whole building linking to site 6. Proposing a complete comprehensive project 7. ability to translate words to architectural lines			
Weekly Laboratory/Practice Plan:		Week	Hour	Date	Topics
		1	1	6-10/2/2022	Review of hotels as single or within multifunction projects.
		2	1	13-17/2/2022	Similar examples analysis
		3	1	20-24/2/2022	Site selection and visit
		4	1	27/2-3/3/2022	Zoning of different departments of the hotel, G.F and b1 and b2
		5	1	6-10/3/2022	Site zoning and solution
		6	1	27-31/3/2022	Ground and first floor preparation and discussion space program
		7	1	3-7/4/2022	Ground and first floor preparation and discussion, space requirement
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		11	1	8-12/5/2022	Site and building interrelations
		12	1	15-19/5/2022	Elevations and sections

	13	1	22-26/5/2022	Elevations and sections	
	14	1	29/5-2/6/2022	Pre-final submission	
	15	1	5-9/6/2022	Final Exam	
	16	1	12-16/6/2022	Final Exam	
Course Book/Textbook:	1-Time Saver Standards for building types. 2- Hotel Planning Design. 3-Urban Design; The Architecture of Towns And Cities				
Other Course Materials/References:	1.commercial and multi function projects Vol.1&2 2. 101 hotel rooms designs				
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Project, , ,				
COURSE EVALUATION CRITERIA					
Method			Quantity	Percentage (%)	
Workshop			1	10	
Quiz			1	5	
Homework			1	5	
Project			1	10	
Midterm Exam			1	20	
Presentation			1	10	
Final Exam			1	40	
Total				100	
Examinations: Essay Questions, Multiple Choices, Short Answers, , ,					
Extra Notes:					
ECTS (ALLOCATED BASED ON STUDENT) WORKLOAD					
Activities			Quantity	Workload Hours for 1 quantity*	Total Workload
Theoretical Hours			16	2	32
Practical Hours			16	10	80
Final Exam			1	3	3
Workshop			1	10	10
Quiz			1	12	12
Homework			1	10	10
Project			1	20	20
Midterm Exam			1	10	10
Presentation			1	10	10
Total Workload					187
ECTS Credit (Total workload/25)					7.48

Peer review

Signature:

Name:

Lecturer

Signature:

Name:

Head of Department

Signature:

Name:

Dean