

TISHK INTERNATIONAL UNIVERSITY
FACULTY OF ENGINEERING
Department of ARCHITECTURE,
2021-2022 Fall
Course Information for ARCH 317 THEORY OF COLORS

Course Name:	THEORY OF COLORS				
Code	Regular Semester	Theoretical	Practical	Credits	ECTS
ARCH 317	5	1	2	2	3
Name of Lecturer(s)- Academic Title:	Faten Radhwan - MSc				
Teaching Assistant:	Mrs.Lava				
Course Language:	English				
Course Type:	Main				
Office Hours	Thursday 11-12 am				
Contact Email:	faten.radhwan@tiu.edu.iq Tel:07504476318				
Teacher's academic profile:	Faten Yaseen, finished her BSc. in architecture at University of Salahaddin in 2012. In 2019 continued MSc. degree in Salahaddin University with an Excellent degree in the thesis of "Biophilic Architecture". Interested in researches about sustainability and biophilic design approach. She has one publication in the field of biophilic design.				
Course Objectives:	A course of study in theory of color should actively seek to develop the following abilities and qualities: 1-Increasing student basic knowledge and understanding of color and how we use theoretical part information on the practical part because our sense of the interior and exterior depends not simply on empty space but on its interaction with the colors that affect the psychology of users. 2- Increasing students knowledge about how to arrange colors for different functions. 3- feeling the colors psychologically and physiologically. 4-Developing the student ability to make change on how we perceive, use, and inhabit space by non-structural alterations. 5-The ability to perceive, understand and express concepts and feelings. 6-Experimentation, innovation and the use of imagination for designing.				
Course Description (Course overview):	-				
COURSE CONTENT					
Week	Hour	Date	Topic		
1	1	4-7/10/2021	introduction		
2	1	10-14/10/2021	what is color? and Color psychology?		
3	1	17-21/10/2021	Color Physics		
4	1	24-28/10/2021	Color Theory		
5	1	31/10-4/11/2021	Report		
6	1	7-11/11/2021	Principles and color schemes		
7	1	14-18/11/2021	Midterm Exam		
8	1	21-25/11/2021	Midterm Exam		
9	1	28/11-2/12/2021	Principles of interior design		
10	1	5-9/12/2021	color in facades and outdoor spaces		
11	1	12-16/12/2021	Principles and styles of design		
12	1	19-23/12/2021	Quiz		
13	1	26-30/12/2021	Poster		
14	1	2-5/1/2022	Review		
15	1	9-13/1/2022	Final Exam		
16	1	16-20/1/2022	Final Exam		

COURSE/STUDENT LEARNING OUTCOMES

- 1 1- Collect knowledge and understanding of color.
- 2 Applying color in a way that contradicts the standard functional context
- 3 Provoking a psychological sensation through the use of different hues
- 4 The steps in color design process and the main color schemes .
- 5 color application in architecture (Educational , healthcare , food... etc.)

COURSE'S CONTRIBUTION TO PROGRAM OUTCOMES

(Blank : no contribution, I: Introduction, P: Proficient, A: Advanced)

Program Learning Outcomes**Cont.**

- | | 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. | A |
| 3 Utilize freehand drawing, architectural graphics, and model building skills in solving architectural design problems. | I |
| 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. | A |
| 6 Develop designs that meet desired needs within realistic economic, social, political, and cultural constraints. | P |
| 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. | A |
| 9 Demonstrate the necessary knowledge for applying laws, codes, regulations, standards and practices in relation to building construction systems. | I |
| 10 Show their ideas through high quality drawing skills and artistic sense. | P |
| 11 Utilize their skills to address professional and ethical responsibilities, diversity and commitment to the work field. | P |
| 12 Suggest solutions and techniques for engaging in life-long learning and knowledge about contemporary issues. | |

Prerequisites (Course Reading List and References):

1. Agoston, George A., 1987. "Color Theory and Its Application in Art and Design". Springer-Verlag Berlin Heidelberg. 2. Riley, Charles A., 1996. "Color codes: modern theories of color in philosophy, painting and architecture, literature, music and psychology"

Student's obligation (Special Requirements):

• Attendance • Quiz • Reports and posters to be done and presented with discussions by students to have global and deep information about the topics. • Class participation

Weekly Laboratory/Practice Plan:

Week	Hour	Date	Topics
1	2	4-7/10/2021	introduction
2	2	10-14/10/2021	what is color? and Color psychology?
3	2	17-21/10/2021	Color Physics
4	2	24-28/10/2021	Color Theory
5	2	31/10-4/11/2021	presentation
6	2	7-11/11/2021	Principles and color schemes
7	2	14-18/11/2021	Midterm exam
8	2	21-25/11/2021	Midterm Exam
9	2	28/11-2/12/2021	Principles of interior design
10	2	5-9/12/2021	color in facades and outdoor spaces
11	2	12-16/12/2021	Principles and styles of design
12	2	19-23/12/2021	Quiz
13	2	26-30/12/2021	Poster
14	2	2-5/1/2022	Review
15	2	9-13/1/2022	Final exam

	16	2	16-20/1/2022	Final Exam
Course Book/Textbook:	Derek phillips - day lighting - natural lighting in architecture gary gordon - interior lighting for designers - wiley (2015) sylvia Leydecker - Designing interior Architecture _concept Typology ,Material -Birkhauser (2013) Jonathan poore -interior by color Design,The Elements of Color, by Johannes Itten, 1961 (Johannes Itten,Switzerland,b.1888,studied in German color theorist			
Other Course Materials/References:	sheets , colors ,exercise			
Teaching Methods (Forms of Teaching):	Lectures, Presentation, Seminar, Project, Assignments, , ,			
COURSE EVALUATION CRITERIA				
Method		Quantity		Percentage (%)
Attendance		1		5
Quiz		2		5
Project		1		15
Midterm Exam		1		20
Term Paper		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*	Total Workload
Theoretical Hours		16	1	16
Practical Hours		16	2	16
Final Exam		1	12	12
Attendance		1	5	5
Quiz		2	8	16
Project		1	8	8
Midterm Exam		1	4	4
Term Paper		1		0
Total Workload				77
ECTS Credit (Total workload/25)				3.08

Peer review

Signature:

Name:

Lecturer

Signature:

Name:

Head of Department

Signature:

Name:

Dean