

TOROS ÜNİVERSİTESİ

Faculty Of Fine Arts, Design And Architecture
Architecture

Course Information

COLOR THEORY AND APPLICATION					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
ARC497	Fall	3	0	3	5

Prerequisites and co-requisites	None
Language of instruction	Turkish
Type	Elective
Level of Course	Bachelor's
Lecturer	
Mode of Delivery	Face to Face
Suggested Subject	None
Professional practise (internship)	None
Objectives of the Course	To instruct the properties of the colour as an architectural design element and to give the principles of the interior and facade colour design
Contents of the Course	Vision and colour perception, two and three dimensional colour systems, principles of colour mixture, relationship between the light and colour, general principles of colour composition, principles of interior and facade colour design, theoretical and practical study with Munsell Colour System, analysing colour design examples.

Learning Outcomes of Course

#	Learning Outcomes
1	To gain the skills of making interior and facade colour design, using colour as an architectural element in a consistent and a scientific way.
2	To gain the ability to discover the samples which are appropriate in terms of program and format, in composing and developing the architectural and urban design projects
3	To apply basic architectural principles at the level of building and interior space design
4	To understand the interaction between the physical environment and the human.

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	Colour concept, importance of the colour in architecture, relationship between the colour and texture, two-dimensional systems concerning surface colours and contemporary concepts, three components of colour, surface colour systems.	Lecture and presentation
2	The properties of the Munsell Colour System which is a three-dimensional surface colour system and the properties of Munsell Colour solid	Lecture and presentation
3	Exercises for symbolizing the components of colour with Munsell Colour system.	Lecture and presentation
4	Exercises for symbolizing the components of colour with Munsell Colour system.	Lecture and presentation
5	Chromatic and monochromatic light, definition and properties of surface, object, perceived colour and inherent colour.	Lecture and presentation
6	Mixture of the colours, additive-subtractive mixture, colour adaptation of the eye, simultaneous contrast, experiments	Lecture and

	and exercises in laboratory.	presentation
7	Visual perception, colour contrast, general principles of colour arrangement, relationship between the light and colour for surfaces and spaces.	Lecture and presentation
8	Mid-term Exam	
9	Exercise for chroma contrast arrangement and homework/ Application of chroma contrast and homework	Lecture and presentation
10	Exercise for value contrast arrangement and homework/ Application of value contrast and homework	Lecture and presentation
11	Comparison of the colour arrangements for two and three dimensional spaces, general principles about the interior colour arrangements.	Application
12	Study for making model about the relationship between the light and colour in interior/closed spaces and homework.	Application
13	General principles of colour design on the scale of facade and settlement, usage of computer programs in colour design.	Lecture and presentation
14	Use of computer program in color design	Application
15	Exercise/ Application about interior colour design and homework	Application
16	Final Exam	

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Original course notes		
2	Munsell, A. H., A Color notation, Munsell Color Comp., N Y, 1971.		
3	Sirel, Ş., Kuramsal Renk bilgisi, İstanbul, 1974.		
4	Beazley, M., The Color Book, London, 1997.		
5	Berns, R., S., Billmeyer and Saltzman's Principles of Color Technology, JohnWiley		
6	Complete Color Harmony Workbook, ISBN -13 978 1 59253 329 9, Rockport Publishers, Massachusetts, 2007.		
7	Luke, J.T., The Munsell Color System: A Language for Color, Fairchild Publications, New York, 1996.		
8	CIE, Color Notations and Color Order Systems, No 124/1,1997.		
9	Sirel. Ş., Kuramsal Renk Bilgisi, Kutulmuş Matbaası, İstanbul, 1974.		
10	Munsell Renk Kitabı ve RAL Renk Kataloğu.		
11	DIALux, Relux vb. aydınlatma programları		

Method of Assessment

#	Weight	Work Type	Work Title
1	20%	Mid-Term Exam	Mid-Term Exam
2	5%	Homework	Homework
3	5%	Homework	Homework
4	5%	Homework	Homework
5	5%	Homework	Homework
6	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1	To gain the skills of making interior and facade colour design, using colour as an architectural element in a consistent and a scientific way.	4	1,2,3,4,5,6

2	To gain the ability to discover the samples which are appropriate in terms of program and format, in composing and developing the architectural and urban design projects	3,9	6
3	To apply basic architectural principles at the level of building and interior space design	4	4,5,6
4	To understand the interaction between the physical environment and the human.	3	6

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	2	28
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	2	2
8	Midterm Exam	1	2	2
9	Quiz	0	0	0
10	Homework	4	3	12
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	2	2
16	Final Exam	1	2	2
				90