



**YAŞAR UNIVERSITY**  
**GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  
**MASTER OF ARCHITECTURE**  
**DEPARTMENT**  
**COURSE SYLLABUS**

Course Title	Course Code	Semester	Course Hour/Week		Local Credit	ECTS
ARCHITECTURAL DESIGN STUDIO II	ARCH 502	Spring	Theory 2	Practice 2	3	12
CourseType		Required				
Language of Instruction		English				
Level of Course		Graduate Degree(Second Cycle)				
Mode of Delivery						
Prerequisites Course(s) (compulsory)		None				
Special Pre-Conditions of the Course(recommended)		None				
Course Coordinator						
Name Surname		Mail		Web		
Assist. Prof. Dr. ERAY BOZKURT		eray.bozkurt@yasar.edu.tr				
Course Instructor(s)						
Name Surname		Mail		Web		
Assist. Prof. Dr. ERAY BOZKURT		eray.bozkurt@yasar.edu.tr				
Course Assistant(s)/Tutor(s)						
Name Surname		Mail		Web		
Course Web Site						
Aim(s) of Course						
The students are required to work on a given area and solve the design problems according to the given advanced design task. In studio discussions, students are expected to improve their design by considering necessary objectives.						
Course Content						
The ambition for the studio is to work without a distinction between designing and making, so that architectural solutions emerge that would not be possible within the usual constraints of the design office and the abstraction of representation.The course deals with key topics in environmental design research. Lectures will look at the relationship between climate and architecture; adaptive theories of environmental comfort and their application in design; daylight and artificial light in architecture; natural and mechanical ventilation; passive and mechanical heating and cooling; ecology and performance of traditional and new materials; energy expenditure in buildings; renewable energies and other related topics.						
Learning Outcomes of the Course						
Upon successful completion of this course, the enrolled students will be gaining the following knowledge, skills and competences:						
1	To practice 3D Computer techniques for design presentations					
2	To sketch freehand drawings of existing buildings.					
3	To develop advanced model making techniques					

4	To experiment design alternatives with sketches		
5	To create conceptual spatial organizations		
COURSE OUTLINE/SCHEDULE (Weekly)			
Week	Topics	Preliminary Preparation	Methodology and Implementation(Theory, practice, assignment etc.)
1	Introduction: Designing a University Space	Lecture on university designs	Theory
2	Investigation on types of University spaces	Presentations about university design	Theory, practice
3	University Design spatial programme	Spatial organization principles	Theory, practice
4	Initial design sketches	Design issues practiced	Theory, practice, design
5	Site Analysis	Principles of site report	Theory, practice, design
6	Design progress	Design options	Theory, practice, design
7	Design progress	Develop design strategies	Theory, practice, design
8	Design considerations	Checklist of design process	Theory, practice
9	MIDTERM	Exam questions	Exam
10	Structural design	Lecture on types of structures	Theory, practice
11	Space organization	Spatial quality	Theory, practice, design
12	Material Research	Presentation about material types	Theory, practice, design
13	Service systems	HVAC and Indoor air quality considerations	Theory, practice, design
14	Detail drawings	Detailing lecture	Theory, practice, design
15	Final Jury and Submission	Final jury preparations	Jury
Resources			
Required Course Material(s)/Reading(s)/Text Book(s)			
1.Building cities: towards a civil society and sustainable environment / edited by Norman Crowe, Richard Economakis and Michael Lykoudis; with Mark Gage. London: Artmedia Press, 1999.EnvDesign NA9053.H76 B85 1999			
2.Cradle to cradle: remaking the way we make things /William McDonough & Michael Braungart. 1st ed. New York: North Point Press, 2002. Focuses on the nature of sustainability and the transformation of human industry through ecologically intelligent design. EnvDesign TD794.5 .M395 2002 / Bus Econ TD794.5 .M395 2002			
3.Design with nature / Ian L. McHarg. [1st ed.] Garden City, N.Y., Published for the American Museum of Natural History [by] the Natural History Press, 1969. Helped to define the fields of landscape architecture, urban and regional planning, and ecological design. EnvDesign HM206.M18			
4.The environmental tradition: studies in the architecture of environment / Dean Hawkes. Lond: E&FN Spon; New York:Chapman & Hall, 1996. EnvDesign NA2542.35 .H39 1996			
5.From eco-cities to living machines: principles of ecological design / Nancy Jack Todd & John Todd. Berkeley, Calif.: North Atlantic Books, c1994. EnvDesign GF50.T62 1994			
Recommended Course Material(s)/Reading(s)/Other			
1.Soygeniş S., Mimarlık Düşünmek Düşlemek, Yapı Endüstri Merkezi, 2009.			
2.Alain de Botton, Mutluluğun Mimarisi, Sel Yayıncılık, 2007.			
A green Vitruvius: principles and practice of sustainable architectural design / the European Commission. [et al.]. London: James & James, 1999. EnvDesign NA2542.35 .G74 1999			
3.The nature of order: an essay on the art of building and the nature of the universe / Christopher Alexander.			
4.Berkeley, Calif.: Center for Environmental Structure, 2002. Center for Environmental Structure series; v. 9. Alexander develops a comprehensive theory of how matter comes together to form coherent structures.			
5.Le Corbusier, Bir Mimarlığa Doğru., Yapı Kredi Yayınları, 2010.			
ASSESSMENT			
Semester Activities/ Studies			NUMBEWEIGHT in % R

Mid-Term	1	20
Attendance	0	0
Quiz	0	0
Assignment(s)	1	20
Project	1	30
Field Studies(Technical Visits)	0	0
Presentation/Seminar	0	0
Practice(Laboratory, Virtual Court,Studio Studies etc.	10	30
Other(Placement/Internship etc.)	0	0
<b>TOTAL</b>	<b>13</b>	<b>100</b>

Contribution of Semester Activities/Studies to the Final Grade	40
Contribution of final Examination/final Project/Dissertation to the final Grade	60
<b>TOTAL</b>	<b>100</b>

CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME OUTCOMES	
Fakülte	Bölüm
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES	MASTER OF ARCHITECTURE

No	Programme Outcomes	Level of Contribut 1-lowest 5- highest				
		1	2	3	4	5
1	To execute an academic research in a systematic and critical approach, works an academic dialogue for critical and categorical outcomes and publishes articles in national and international sources.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	To distinguish and recognize the diversity of social and spatial patterns, within the physical enviroment and different cultures that characterize the interaction between human needs, desires and behavior patterns.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	To achieve high cognitive and practical skills necessary for the adequacy of graduate program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4	To apply acquired knowledge, insight and problem-solving skills and new platforms other than usual that are related to the broder, interdisciplinary, multidiciplinary and interdisciplinary contexts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5	To share findings and conclusions reached in a systematic manner with the related or unrelated expert groups.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6	To execute a critical academic research and works on critical academic dialogue for categorical outcomes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ECTS /STUDENT WORKLOAD				
ACTIVITIES	NUMBER	UNIT	HOUR	Total WorkLoad
Course Teaching Hours(14 weeks*total course hours	14	Week	4	56
Preliminary Preparation and finalizing of course notes, further self-study	0	Week	0	0
Assignment(s)	5	Number	10	50
Presentation/Seminar	4	Number	1	4
Quiz	0	Number	0	0
Mid-Term	1	Week	4	4
Project	1	Number	100	100
Field Studies(Technical Visits)	1	Number	7	6
Practice(Laboratory, Virtual Court,Studio Studies etc.	10	Number	3	30
Final Examination/ Final Project/ Dissertation andPreparation	1	Number	50	50
Other(Placement/Internship etc.)	0	Number	0	0

<b>Total WorkLoad</b>	<b>300</b>
<b>Total Workload/ 25</b>	<b>12,00</b>
<b>ECTS</b>	<b>12</b>

#### **ETHICAL RULES WITH REGARD TO THE COURSE (IF AVAILABLE)**

Minimum of %80 attendance required for passing grade.

Late arrival and/or early departure from a session will be recorded as an absence.

#### **ASSESSMENT and EVALUATION METHODS:**

Final Grades will be determined according to the Yaşar University Graduate Degree Education and Examination Regulation

#### **PREPARED BY**

Assist. Prof. Dr. ERAY BOZKURT

#### **UPDATED**

09.01.2012 11:52:39

#### **APPROVED**