

ARCHITECTURAL MODELING

1	Course Title:	ARCHITECTURAL MODELING	
2	Course Code:	MIM2014	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	4	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. M.ÖZGÜR EDİZ	
15	Course Lecturers:	Yok	
16	Contact information of the Course Coordinator:	info@ozgurediz.com	
17	Website:		
18	Objective of the Course:	This course aims to teach making architectural models for different stages of an architectural design. While the process of modeling in architecture is studied, different communication purposes of models are sought in different scales, materials, colors and textures. Students are expected to build models in groups and exhibit their work at the end of the semester.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Relationship between modeling techniques and architectural design process.
		2	Using model as a tool architectural in representation techniques
		3	Using model as a tool in architectural design process.
		4	Developing various models using fractal concepts generative design etc.
		5	Using technological tools like mass customization and etc. As a contemporary model techniques.
		6	Using models as design tool from micro to macro scales.
		7	Using models as a communication tool.
		8	Testing like light & shade architectural concepts on models, learning and searching what is space
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Program of the semester.		
2	Some various examples about models.		

3	Various tools about model environment.	
4	First study about an example work; workshop.	
5	Discussion	
6	How can we use models as a design tool ?	
7	Various recommendations about model making in architectural design studios.	
8	Some examples about architectural competition models.	
9	Experiencing models as a tool on architectural design studio.	
10	Discussion	
11	Final homework, selecting some famous architects building	
12	Designing fractal based structures with models.	
13	Using some technologic techniques like CNC or laser cutters.	
14	Checking and discussing final homework	

22	Textbooks, References and/or Other Materials:	De Cesare, J., 1987. Theory Of Visual Space In Music, 6, 183-87. Bergil, M. S., 1988. Doğada / Bilimde / Sanatta Altın Oran, Met / Er Matbaası, İstanbul. Alpay, Ş., 2001. Güzelliğin Matematiği ya da Altın Oran, Bilim ve Ütopya, Nisan, 66-70.
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		28	28.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		9	5.00	45.00
Homeworks		2	7.00	14.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams	0	0.00	3.00	3.00
Others		0	0.00	0.00
Final Exams	1	0.00	2.00	2.00
Total Work Load				92.00
Total work load/30 hr				3.07
Contribution of Term (Year) Learning Activities to ECTS Credit of the Course				3.00
Contribution of Final Exam to Success Grade		50.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	3	2	2	2	1	1	2	5	1	0	0	0	0	0

ÖK2	1	1	5	1	1	1	1	1	1	1	1	0	0	0	0	0
ÖK3	5	2	1	1	1	2	1	1	2	1	1	0	0	0	0	0
ÖK4	1	1	1	1	1	3	2	1	3	1	5	0	0	0	0	0
ÖK5	2	1	1	2	5	4	3	1	1	1	5	0	0	0	0	0
ÖK6	1	2	1	3	1	2	1	1	1	1	5	0	0	0	0	0
ÖK7	1	3	2	1	2	2	3	1	2	1	1	0	0	0	0	0
ÖK8	1	1	1	1	1	3	5	1	3	2	1	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			