

ECTS Course Description Form							
PART I (Senate Approval)							
Offering School	Antalya Bilim University-Faculty of Fine Arts and Architecture						
Offering Department	Architecture						
Program(s) Offered to	Architecture					Must	
Course Code	ARC 1108						
Course Name	Architectural Model Making Techniques						
Language of Instruction	English						
Type of Course	Theory&Practical						
Level of Course	Undergraduate						
Hours per Week	Lecture: 2	Laboratory:	Recitation:	Practical: 2	Studio:	Other:	
ECTS Credit	5						
Grading Mode	Letter Grade						
Pre-requisites	None						
Co-requisites	None						
Registration Restriction	None						
Educational Objective	The aim of the course is to provide students in both educational and professional life with the ability to make various models of scales and materials in the design process and presentations, and to develop an understanding of the significant role of 3D manual processes within a design context.						
Course Description	In this course students will learn about the materials and methods of construction of the models for three-dimensional evaluation that they will use in their design process, their ideas, and presentation of the design results. These information will be supported by classworks and practices in the course.						
Learning Outcomes	LO1	To make individual model in order to develop their design approach.					
	LO2	Ability to explore alternative model-making materials.					
	LO3	Understanding the aspects of tectonic assembly, abstraction, representation and scale.					
	LO4	Explore 'the concept of scale' to relate to context and to further develop details.					
	LO5	Learn to develop physical representation of their ideas					
PART II (Faculty Board Approval)							
Basic Outcomes (University-wide)		Program Outcomes	LO1	LO2	LO3	LO4	LO5
	PO1	Ability to communicate effectively and write and present a report in Turkish and English.	X			X	X
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.					
	PO3	Recognition of the need for life-long learning and ability to access information, follow developments in science and technology, and continually reinvent oneself.	X	X	X		
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.					
	PO5	Awareness of sectors and ability to prepare a business plan.					
	PO6	Understanding of professional and ethical responsibility and demonstrating ethical behavior.					
Faculty Specific Outcomes	PO7	Gain the ability of conceptualizing, applying, analyzing, synthesizing and evaluating information effectively (Critical Thinking)					
	PO8	Produce innovative ideas and products with creativity (Creativeness).	X	X	X	X	X
	PO9	Gain the ability of leadership, entrepreneurship and self-leadership skills (Leadership and Entrepreneurship).					
	PO10	Care about the ethical values and principles; behave in accordance with these in professional and social life (Ethical Behavior).					
	PO11	Understand, define and reach the information that they need; use information effectively and share it with others (Information Literacy).					
	PO12	Use information effectively and communication technologies while learning, and can share their knowledge and experience with others using technology and visual means (Information and Communication Technology Literacy).					
	PO13	Learns the concepts of architectural design and theories of architecture as well as the intellectual, historical and cultural background to evaluate them from a critical perspective and use them in developing design solutions. One can express one's solutions verbally and in written form. (Knowledge and Ability)	X		X		X

Discipline Specific Outcomes (program)	PO14	Knows to express each stage of the design process formally by using hand drawings together with the European Computer Driving Licence and other software technologies. (Knowledge and Communication Competence)	X	X	X	X	X	
	PO15	Designing space (environment, construction, building) on different scales that are sensitive to the natural and built environment within the framework of basic design and architectural principles. One also knows research methods. (Knowledge and Ability)	X	X	X	X	X	
	PO16	Speak at least one foreign language at B1 General Level of European Language Portfolio to express oneself and to follow developments in the field of architecture. (Knowledge and Communication Competence)	X	X	X	X	X	
	PO17	Executes an independent project or to take responsibility in multidisciplinary studies, to communicate effectively and share knowledge and competency during the design process. (Competency to work independently and take responsibility)						
	PO18	To knowledge and understanding to analyze building design and systems regarding architectural practice (from prehistoric times to the present). (Knowledge)						
	PO19	Develops a design that respectable to cultural heritage and sustainable by recognizing historical and cultural assets and understanding the importance of these values. (Knowledge and Ability)						
	PO20	The necessary knowledge and ability about contemporary restoration theories and preparation of restoration project by using research, documentation and different measurement methods in the process of documenting the current state of historic buildings and environments. (Knowledge and Ability)						
	PO21	Produces sustainable solutions to current problems by following the developments and technologies in the field of production. (Ability)	X	X				
	PO22	Knows to develop designs about environmental and social sustainability principles, the issues related to disasters and accessible designs that meet community needs. (Knowledge and Ability)	X	X	X	X		
	PO23	Gains the ability to use modern technologies in building and environmental design, to develop and produce innovative solutions; learns necessary information about building materials, techniques and structural behaviors, the laws, regulations and standards and includes them in the design process. (Knowledge and Ability)	X	X	X	X		
	PO24	To gain the basic knowledge of lighting, acoustics, air conditioning and energy use in the design of environmental systems. (Knowledge)						
	PO25	Knows the historical development of structural systems, types of structural elements such as foundation, wall, flooring, stairs, roof, design, and construction techniques of these elements and applies this information in the projects. (Knowledge and Ability)						
	PO26	Has competence in project management, organization, planning, and leadership for the realization of professional practice and informs individuals and institutions on issues related to a field and shares one's suggestions for solutions to the experts or non-experts in verbally and written form. To produce collaborations and projects with the awareness of social responsibility (Competence to take responsibility and social and Ability)						
	PO27	Aware of lifelong learning and identifying the necessary needs for professional development and self-development. (Learning Competence)						
PO28	Has an awareness of professional and ethical behavior; collects data considering social, environmental, and ethical results. One is responsible for the environment, the professional problems and provides professional services like occupational health and safety within the legal frameworks. (Field Specific Competence)							
PART III (Department Board Approval)								
	Subject	Week	Subject Explanation	LO1	LO2	LO3	LO4	LO5
	S1	1	Introduction	X	X	X	X	X
	S2	2	What is representation? What do we see in it?	X	X	X	X	X

Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects	S3	3	How and why do we use representation? What do we see in model? How and why do we use it?	X	X	X	X	X	
	S4	4	Types of Architectural Model Making? Conceptual- Working- Presentation models.	X	X	X	X	X	
	S5	5	Scale- Topography- Making in Architecture.	X	X	X	X	X	
	S6	6	Scale- Topography- Making in Architecture.	X	X	X	X	X	
	S7	7	Scale- Topography- Making in Architecture.	X	X	X	X	X	
	S8	8	Midterm	X	X	X	X	X	
	S9	9	Modalities of Model Making in Architecture.	X	X	X	X	X	
	S10	10	Modalities of Model Making in Architecture.	X	X	X	X	X	
	S11	11	Modalities of Model Making in Architecture.	X	X	X	X	X	
	S12	12	Model Making as a Design Tool	X	X	X	X	X	
	S13	13	Model Making as a Design Tool	X	X	X	X	X	
	S14	14	Model Making as a Design Tool	X	X	X	X	X	
	Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules	No	Type		Weight	Implementation Rule		Make-Up Rule	
		A1	Exam		20%	Students will be evaluated with a midterm project in mid-semester		make up will be available	
A2		Quiz							
A3		Homework		40%	Students' weekly practices will be evaluated and graded.		Homeworks will be accepted one week after the sub. But the grade will be evaluated with a lower value.		
A4		Project							
A5		Report							
A6		Presentation							
A7		Attendance/Interaction							
A8		Class/Lab./Field Work							
A9		Others		40%	The total content of the course will be evaluated with a final project.		no make up		
TOTAL				100%					
Evidence of Achievement of Learning Outcomes	Students will demonstrate learning outcomes through weekly homework, in-class assignments, Midterm exams and Final exam.								
Method for Determining Letter Grade	Upon successful completion of all assessment methods, the total scores will be averaged and converted into a final letter grade using the following percentages and grading criteria.								
	ASSESSMENT METHOD	EFFECT ON GRADING	GRADE	MARKS	VALUE	GRADE	MARKS	VALUE	
	Assignment	40%	A+	-		C+	60-64	2,40	
	Midterm Project	20%	A	95-100	4,00	C	55-59	2,20	
	Final Project	40%	A-	85-94	3,70	C-	50-54	2,00	
			B+	80-84	3,30	D+	45-49	1,70	
			B	75-79	3,00	D	40-44	1,50	
			B-	65-74	2,70	F	0-39	0,00	
	No	Method		Explanation			Hours		
	Time applied by Instructor								
	1	Lecture							
	2	Interactive Lecture		The course will be presented with slides.			2 hours (13 week =26 hrs)		
	3	Recitation							
	4	Laboratory							
	5	Practical							
	6	Field Work							
Time expected to be allocated by student									
7	Project		Weekly works during the class.			3 hours (13 weeks) =39 hrs			

Öğretim Metodları, Tahmini Öğrenci Yüğü	8	Homework	Weekly assignments are submitted by completed at home.	9 hours (2 weeks) =18 hrs
	9	Pre-class Learning of Course Material	weekly study for the exam	14 hours (1 weeks) =14 hrs
	10	Review of Course Material	final project preparation	14 hours (1 weeks) =14 hrs
	11	Studio		
	12	Office Hour	midterm and final projects works	14 hrs
TOTAL				125 hours

IV. PART

Instructor	Name	Alper Gülle
	E-mail	alper.gulle@antalya.edu.tr
	Phone Number	
	Office Number	BB-75
	Office Hours	6 hours
Course Materials	Mandatory	
	Recommended	Neat, D. (2013). Model-making: Materials and Methods. Crowood. Mills, C. B. (2010). Designing with models: A studio guide to making and using architectural design models. John Wiley & Sons. Making interior models Susumu Kurabayashi, Architectural and interior models. Karszen, A., & Otte, B. (2014). Model Making, Conceive, Create and Convince. Frame Publishers. Dunn, N. (2014). Architectural Modelmaking Second Edition. Hachette UK. New Concepts. Dunn, N. (2007). The ecology of the architectural model. Peter Lang.
Other	Scholastic Honesty	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action.
	Students with Disabilities	Reasonable accommodations will be made for students with verifiable disabilities.
	Safety Issues	
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.

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