

PART I (Senate Approval)							
Offering School	Antalya Bilim University-Faculty of Fine Arts and Architecture						
Offering Department	Architecture						
Program(s) Offered to	Architecture	Core Course					
Course Code	ARC 1103						
Course Name	Architectural Representation Techniques I						
Language of Instruction	English						
Type of Course	Theory + Practice						
Level of Course	Undergraduate						
Hours per Week	Lecture: 3	Laboratory:	Recitation:	Practical: 2	Studio:	Other:	
ECTS Credit	6						
Grading Mode	Letter Grade						
Pre-requisites	None						
Co-requisites	None						
Registration Restriction							
Educational Objective	Investigating the role of visualization and representation in design; It aims to develop communication, discovery and learning skills specific to the discipline of architecture and to acquire the necessary skills for spatial abstraction, analysis and visualization at different scales. The course covers 2D and 3D drawing and diagramming techniques, analog, material, digital and hybrid representation languages in sequentially designed individual and group projects. To give knowledge of the graphic techniques and conventions for architects; understanding architectural information and visual formatting for creating concept, to improve free hand drawing-sketching then technical drawing and presentation skills and to further introduce CAD.						
Course Description	Developing the skills to explore and learn the role of visualization and representation during design and its communication specific to the discipline of architecture and the requisite skills of spatial abstraction, analysis and visualization at different scales. The course covers 2D and 3D drafting and diagramming techniques, analog, material, digital and hybrid languages of representation, in sequentially designed individual and group projects. Variety of design, visualization and programming software from various platforms such as Adobe and Autodesk are introduced.						
Learning Outcomes	LO1	Develop the main conventional sketching&drawing techniques of architecture					
	LO2	Develop the main conventional presentation skills of architecture					
	LO3	Gain the ability of graphic design and visual expression in various drawing environments					
	LO4	Make visual presentation in the digital environment					
	LO5	Gain the ability to be innovative about presentation skillsets					
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			
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.	X				
	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	X	X
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.		X			
	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)	X	X	X	X	X
	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).		X			
	PO10	Care about the ethical values and principles; behave in accordance with these in professional and social life (Ethical Behavior).		X	X		
	PO11	Understand, define and reach the information that they need; use information effectively and share it with others (Information Literacy).	X	X	X	X	X
	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).	X	X	X	X	X
	PO13	Leams 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	X	X
	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

Discipline Specific Outcomes (program)	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)	X	X	X	X	X
	PO18	To knowledge and understanding to analyze building design and systems regarding architectural practice (from prehistoric times to the present). (Knowledge)	X	X	X	X	X
	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)	X				
	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		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)					
	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
	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)	X			X	X

PART III (Department Board Approval)

Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects	Subject	Week	Subject Explanation	LO1	LO2	LO3	LO4	LO5
	S1	1	First day of the class; greetings, introduction of the course Major architectural formations	X				
	S2	2	Visual and Oral Presentation Techniques – Body language					
	S3	3	Sketch - Tools and materials – line, shape, form, texture, surface geometry, letters	X	X	X		
	S4	4	Sketch Techniques, Colouring, Shading, etc. – Sketch – Creating a concept via sketching	X	X	X		
	S5	5	Scale - Measuring, scale types Human - Movement -Activity	X	X	X		
	S6	6	Orthographic Projection - Plans, sections, elevations - Freehand	X	X	X		
	S7	7	Orthographic Projection - Plans, sections, elevations - Freehand	X	X	X		
	S8	8	Midterm Exam					
	S9	9	Balance-Rhythm-Emphasis Geometric layout, backgrounds, frames	X	X	X		
	S10	10	Orthographic Projection – Site Plan colouring a project – Digital Environment	X	X	X	X	X
	S11	11	Questions & tips about AutoCAD 3D Images – Perspective types	X	X	X		
	S12	12	3D Images – Axonometric types & Diagrams Introduction to Photoshop	X	X	X	X	X

	S13	13	Layout and Presentation in Digital Environment	X	X	X	X	X
	S14	14	Final Review - Final work products and final presentation	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		80%				
	A2	Quiz						
	A3	Homework		10%				
	A4	Project						
	A5	Report						
	A6	Presentation						
	A7	Attendance/Interaction		10%				
	A8	Class/Lab./Field Work						
	A9	Others						
TOTAL								
Evidence of Achievement of Learning Outcomes	Students will demonstrate learning outcomes through class activities, debates and project assignments. These activities reflect a transdisciplinary approach, asking the student to make connections between different topics. Generally every topic is tested with at least one exam question.							
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
	Exam	80%	A+	100	4,00	C+	60-64	2,40
	Homeworks	10%	A	95-100	4,00	C	55-59	2,20
	Participation	10%	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
Teaching Methods, Estimated Student Load	No	Method	Explanation				Hours	
	Time applied by Instructor							
	1	Course Teaching Hours						70hours
	2							
	3							
	4							
	5							
	6							
	Time expected to be allocated by student							
	7	Preparing for presentations						20
	8	Assignments						30
	9	Self Study for submissions						30
	10							
	11							
12								
TOTAL								150 hours
IV. PART								
Instructor	Name							
	E-mail							
	Phone Number							
	Office Number							
	Office Hours		6 hours					
Course Materials	Mandatory		None					
	Recommended		Farely, L. (2014) Representational Techniques for Architecture Zell, M. (2008) Architectural Drawing Course Rossi, M. (2017) Imagine, Drawing, Representation. Representation of the Project, Michela Rossi. Bahamon,A. (2005). Sketch, Plan, Build: World Class Architects Show How It's Done. First Edition, Harper Design.					
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.					