

ECTS Course Description Form

PART I (Senate Approval)

Offering School	Antalya Bilim University-School of Fine Arts and Architecture					
Offering Department	Interior Architecture and Environmental Design					
Program(s) Offered to	Interior Architecture and Environmental Design					Must
Course Code	IAED 1101					
Course Name	Technical Drawing I					
Language of Instruction	English					
Type of Course	Theory and Pratical					
Level of Course	Undergraduate					
Hours per Week	Lecture: 2	Laboratory:	Recitation:	Practical: 2	Studio: BB 34 & BB 35	Other:
ECTS Credit	4					
Grading Mode	Letter Grade					
Pre-requisites	None					
Co-requisites	None					
Registration Restriction	None					
Educational Objective	The aim of this course is to introduce the architectural communication starting from the basic essentials of technical drawing through professional standards.					
Course Description	This course is providing the basic drawing skills and perspective for the interior architecture and environmental design discipline through the needs of a higher level drawing for various design projects.					
Learning Outcomes	LO1	Students can apply the scenarios, thoughts and terms about the product and process graphically .				
	LO2	Students can show signs and symbols on the drawing.				
	LO3	By learning the basic elements of drawing, students can draw and write by hand.				
	LO4	Students can make dimensioning by learning the term of scale in technical drawing.				
	LO5	Students learn projection principles and how to draw structural elements, while also expressing design ideas through visual media like technical drawing or sketches.				

PART II (Faculty Board Approval)

		Program Outcomes	LO1	LO2	LO3	LO4	LO5
		Basic Outcomes (University-wide)	PO1	Ability to communicate effectively and write and present a report in Turkish and English.			
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.						
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).					
	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	Global Context: To have a global perspective and consider social, cultural, economic, and ecological contexts in all areas of work.					
	PO14	Collaboration: To have the ability to collaborate with disciplines that the field interacts with.					
	PO15	Business Practice and Professionalism: To understand the principles, processes, and responsibilities that define the value of the profession to society.					

Discipline Specific Outcomes (program)	PO16	Human-Centered Design: To integrate physical, social, and cultural dimensions of the built environment, considering human experience and behavior in the design process through analysis.					
	PO17	Design Process: To creatively solve a design problem using all aspects of the design process.					
	PO18	Communication: To have the ability to express and present ideas and thoughts effectively through verbal, written, and visual means,					
	PO19	History: To have knowledge of the history of the profession and make design decisions sensitive to cultural heritage and historical/natural environments.					
	PO20	Design Elements and Principles: To be proficient in adopting design elements and principles in design approaches.					
	PO21	Light and Color: To apply principles and theories related to light and color in terms of environmental impact and human comfort effectively.					
	PO22	Products and Materials: To have knowledge of production, assembly, and maintenance requirements of interior fixtures, materials, and accessories, and to gain the ability to make selections and applications based on aesthetic, ergonomic, safety, and cost criteria.					
	PO23	Environmental Systems and Human Comfort: To apply principles related to environmental impact and human comfort, including acoustics, thermal comfort, indoor air quality, plumbing systems, and waste management.					
	PO24	Construction/Building/Structure: To understand the relationship between interior construction and its connection to basic building construction and systems.					
	PO25	Regulations and Guidelines: To be proficient in applying laws, regulations, and standards related to professional practice, including sustainability, fire safety, construction, materials, accessibility, intellectual and industrial property rights, and incorporating them into the design process.					

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	- Introduction to Technical Drawing and Its Equipment - Drawing Setup, Layout - T-Square, Set Square, Compass Degree Workout					
	S2	2	- Letter (Right Angle) - Line Exercises (6-Box) - Compass Exercise					
	S3	3	- Scaled Models - Orthogonal Object Drawings					
	S4	4	- Perspective Types (Isometric, Cavalier, Military) - Isometric Circle					
	S5	5	- Quiz - Parallel Projection and Views of Rotated Objects					
	S6	6	- Inlet, Outlet, Cylinder Drawings					
	S7	7	- In-Class Object Drawings					
	S8	8	MIDTERM					
	S9	9	- Object Cutting (Horizontal and Vertical Cut)					
	S10	10	- In-Class Object Drawings					
	S11	11	- In-Class Object Drawings					
	S12	12	- Basic Furniture Drawing (Top, Side, Front, Perspective)					
	S13	13	- Basic Furniture Drawing (Top, Side, Front, Perspective)					
	S14	14	- Basic Furniture Drawing (Top, Side, Front, Perspective)					
	S15	15	- Preparation for Final					
		FINAL EXAM						
No	Type		Weight	Implementation Rule	Make-Up Rule			

Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules	A1	Quiz	20%	Students will be evaluated on a drawing quiz.	-
	A2	Midterm	30%	Students will be evaluated on a midterm drawing exam.	-
	A3	Final	50%	Students will be evaluated on a final drawing exam.	-
	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	MARK	GRADE	VALUE
	Quiz	20%	A+ -	C+	60-64
	Midterm	30%	A 95-100	4.00	C
	Final	50%	A- 85-94	3,7	C-
			B+ 80-84	3,3	D+
		B 75-79	3,00	D	
		B- 65-74	2,7	F	
Teaching Method, Student Work Load	No	Method	Explanation		Hours
	Time expected to be allocated by instructor				
	1	Course Teaching Hours			13x2=26hr
	Time expected to be allocated by student				
	2	Studio Drawings			13x2=26hr
	3	Quiz			1x2=2hr
	4	Homework			13x2=26hr
	5	Midterm Preparation			1x6= 6 hr
	6	Midterm Exam			1x4= 4 hr
	7	Final Preparation			1x10=10 hr
8	Final Exam			1x4= 4hr	
9					
TOTAL					104 hours
IV. PART					
Instructor	Name Surname	Asst. Prof. Dr. Mehmet Uğur Kahraman ; Asst. Prof. Dr. Enes Can Kılıç; Lec. Kadir Emre Bakır; Part Lec. Narin Faravar Taşdemir			
	E-mail	ugur.kahraman@antalya.edu.tr ; enes.kilic@antalya.edu.tr ; kadir.bakir@antalya.edu.tr ; narin.faravar@antalya.edu.tr			
	Phone Number				
	Office Number				
	Office Hours	4 hours (according to school semestre)			
Course Materials	Mandatory	1. Architectural Drafting and Design, Jefferis, A., Madsen, David A., Thomson Learning, 2001			
	Recommended	1. Francis D.K. Ching, Architectural Graphics, Architectural Press, 1984 2. Francis D.K. Ching, Architecture, Form, Space & Order, 1979 3. David A. Davis, Theodore D. Walker, Plan Graphics, Wiley, 2000 4. Orhan Şahinler, Fehmi Kızıl, Mimarlık'ta Teknik Resim, YEM, 2004 5. John Berger, Görme Biçimleri, Metis Yayınları, 1995 6. Engineering Graphics, F.E.Giesecke, et.al., MacMillan Publ, 2004 7. Technical Graphics Communication, G.R.Bertoline, et.al., McGraw-Hill, 2003 8. Architectural Drafting and Design, Jefferis, A., Madsen, David A., Thomson Learning, 2001 9. Neufert, E. (2018). Neufert Yapı Tasarımı. Beta Basım Yayın Dağıtım AS. 41			
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	Security is provided by the occupational health and safety specialist of the Antalya Bilim University Rectorate.			
	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.			