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 3057					
Course Name	Housing					
Language of Instruction	English					
Type of Course	Theory					
Level of Course	Undergraduate					
Hours per Week	Lecture: 3	Laboratory:	Recitation:	Practical:	Studio:	Other:
ECTS Credit	3					
Grading Mode	Letter Grade					
Pre-requisites	None					
Co-requisites	None					
Registration Restriction	None					
Educational Objectives	The aim of the course is to provide the students with: - Necessary knowledge and skills to deal with the planning of housing projects. - Principles of urban design of housing projects. - Typology and design of housing units. - Contemporary developments, problems and challenges of housing projects.					
Course Description	This course provides an introduction to the concept of house and dwelling, typology of residential units, residential planning and design contest. Urban planning and design of housing projects. The tectonics of residential units. The housing project design process					

Learning Outcomes	**LO1**	Understanding the human need for shelter.
	LO2	Identifying the different types of residential units.
	LO3	Analyzing the residential environment.
	LO4	Identifying the different architectural and structural components of the residential unit.
	LO5	Understanding the sequence of the housing project design process□

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.			X	X	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	X	X	X	X
	PO5	**Awareness** of sectors and **ability** to prepare a business plan.					
	PO6	**Understanding** of professional and ethical responsibility and **demonstrating** ethical behavior.	X	X	X	X	X
Faculty Specific Outcomes	**PO7**	The graduated students have the ability of conceptualizing, applying, analyzing, synthesizing and evaluating information effectively (Critical Thinking).	X	X	X	X	
	PO8	The graduated students produce innovative ideas and products with creativity (Creativeness).					
	PO9	The graduated students have the ability of leadership, entrepreneurship and self-leadership skills (Leadership and Entrepreneurship).					X
	PO10	The graduated students care about the ethical values and principles; behave in accordance with these in professional and social life (Ethical Behavior).	X	X	X	X	X
	PO11	The graduated students; 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	The graduated students can effectively use information 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				

Discipline Specific Outcomes (program)	**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
	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
	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
	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
	PO18	To knowledge and understanding to analyze building design and systems regarding architectural practice Using computer aided communication technologies at the level required by the profession (from prehistoric times to the present). (Knowledge)	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		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)					
	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)					
	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	Dwelling	X	X			
S2	2	Typology	X	X			
S3	3	Dwellings 1	X	X			
S4	4	Dwellings 2	X	X	X		

Course Subjects, Contribution of Course Subjects to Learning Outcomes, and Methods for Assessing Learning of Course Subjects	**S5**	5	Residential building 1	X	X	X		
	S6	6	Residential building 2	X	X	X		
	S7	7	Urban ensemble 1	X	X	X	X	
	S8	8	Midterm exam	X	X	X	X	
	S9	9	Tectonics 1	X	X	X	X	
	S10	10	Tectonics 2	X	X	X	X	
	S11	11	Context 1	X	X	X	X	
	S12	12	Context 2	X	X	X	X	X
	S13	13	The design process 1	X	X	X	X	X
	S14	14	The design process 2	X	X	X	X	X

	No	**Type**	**Weight**	**Implementation Rule**	**Make-Up Rule**
Assessment Methods, Weight in Course Grade, Implementation and Make-Up Rules	**A1**	**Exam**	70%	There will be two exams: a midterm exam (%20), scheduled according to the course schedule, and the final exam (%50).	A make-up exam will be provided if the student provides an acceptable legitimate document, according to the school regulation
	A2	**Quiz**		-	
	A3	**Homework**		-	
	A4	**Assignments**	30%	-	There is no make-up. Points will be deduced for late submissions.
	A5	**Report**		-	
	A6	**Presentation**		-	
	A7	**Interaction**			
	A8	**Class/Lab./Field Work**			
	A9	**Others**			
	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**
Midterm exam	20%	A+	100	4,00	C+	60-64	2,40
Assignments	30%	A	95-100	4,00	C	55-59	2,20
Final exam	50%	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

Öğretim Metodları, Tahmini Öğrenci Yükü

No	**Method**	**Explanation**	**Hours**
Time applied by Instructor			
1	**Lecture**	**Lecturing and utilizing whiteboard and slides. Sample questions and answers to strengthen learning. In class exams.**	3 hours (13 weeks)=39 hrs
2	**Interactive Lecture**		
3	**Recitation**		
4	**Laboratory**		
5	**Practical**		
6	**Field Work**		
Time expected to be allocated by student			
7	**Project**		1hours (15 weeks)= 15 hrs
8	**Homework**		
9	**Pre-class Learning of Course Material**	**Individual study before / after class**	1 hours (15weeks)= 13hrs

	10	Review of Course Material		
	11	Midterm Exam		3 hours
	12	Final Exam		3 hours
	TOTAL			75 hours

IV. PART		
Instructor	Name	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	4 hours (according to school semestre)
Course Materials	Mandatory	Leupen, bernard & harald mooi (2012). Housing design- a manual. NAi010 Publishers
	Recommended	Balchin, Paul and Rhoden, Maureen (2003). Housing: the essential foundations. Taylor & Francis e-Library. Schittich, Christian ed. (2007). Housing for all ages. Institut fur international Architektur-Dokumentation GmbH Hyde, Richard ed. (2008). Bioclimatic housing: innovative designs for warm climates. Earthscan UK 2008 Good solution guide for apartments (2002). North Shore City Council, Takapuna, New Zealand Rowe, Peter G. and Kan, Har Ye (2014). Urban Intensities: Contemporary Housing Types and Territories. Birkhauser
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.