

Syllabus

ARCHITECTURAL DESIGN 1

Objective and Expectations

The primary objective of the course is to enable students to gain experience on producing spatial solutions arising from different relations, and to gain ability on thinking in a sophisticated background starting from early stages of architectural design.

During the semester the students are expected to be able...

- to investigate different precedents from the world; to examine them in respect to their approaches to their physical environments, their context and the building science they were produced in; to transfer the conception acquired from this examination to their own design processes,
- to improve an understanding regarding concept of dwelling and user requirements relevant to dwelling,
- to make drawings, sketches and schemes representing the relation between their designs and gathered information from various sources in process of analysing site,
- to express their ideas on design by using graphic, verbal and written methods,
- to develop housing design in relation with conceptual context,
- to evaluate effects of environmental factors (topography, landscape, view, direction, climate, light etc.) on housing design,
- to improve their point of views on phenomena by using metaphors over concepts and abstract thoughts.

Content and Modules

The course focuses on solving design problems related to housing. It is organized into two modules:

The first module is designed as an auxiliary part to the second module, which acts as "examination of an existing housing design in respect to its approach to its physical environment, its context and the building science it was produced in, and presentation of this housing design in 1/100 scale". The first module starts on the first week and ends on the fourth week.

The second module is defined as "design of a house connected with its physical environment, its context and current building science, and presentation of this design in 1/100 scale". The second module starts on the fifth week and ends on the fifteenth week.

Site

Project sites will be chosen in Heybeliada and Kınalıada by students after site trip.

Seminars

Three two-hour seminars on different subjects are going to be organized in order to enhance students' design skills and methods. For the dates of these seminars please see weekly schedule and follow instructors' announcements up.

Attendance

It is important that students participate in discussions, trips, sketch exercises, seminars and other activities carried out during course hours. They are allowed -maximum- 20 percent absences of total course hours in semester.

Evaluation

The evaluation of the course shall be made as stated below:

- Effect of in-term studies on course grade is %60.
- Effect of final submission and jury on course grade is %40.

Final jury date, time and location will be announced by Architectural Department Secretariat. Students are required to pay the highest attention to these announcements.

Minimum requirements for final submission:

- Conceptual Diagrams, Schemes, Drawings, Sketches (in relation with Site Analyses, User Profile and Building Programme, Design Decisions...)
- Plans (Site Plan 1/500, 1/200; Floor Plans 1/100)
- Sections (1/100 in relation with Neighbours, Materiality, Landscape)
- Elevations (1/100 in relation with Street Scape, Materiality, Landscape)
- Perspectives (Min. 1 Street Scape, min. 1 Interior)
- Physical Models (1/500 Site Model, 1/100 Unit Model, Conceptual Model(s))

Students may also use additional materials to express their projects.

Studios

The course is studio-oriented and going to take place in the studios with the supervision of the instructors stated in the list below:

Std211 Senem K. Koca, Zafer Sağdıç, Bülent Göz, Selçuk Şenoldu, Reyya Kalay
Std303 C. İrem Y. Gencer, Jülide Szawłowski, Pınar Bayraktar, Nazlı Arslan
Std405 Polat Darçın, Nefise Burcu Yağan, Esra Küçükılınç, Özde Özdal
Std406 Banu Çelebioğlu, Jose M. Garcia Torres, Derya G. Özer

References

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- Norberg-Schulz, C. (1988). Architecture: Meaning and Place, Rizzoli, New York.
- Rossi, A. (1982). The Architecture of the City, Cambridge, MA: MIT Press.
- Schittich, C. (2010). Small Structures: Compact Dwellings, Temporary Structures, Room Modules, München: Edition Detail; Basel: Birkhäuser.
- Senneth, R. (2001). Ten ve Taş, Metis Yayınları, İstanbul.
- Susanka, S. (2002). Creating the Not So Big House, The Taunton Press.
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- Wilson, J. (1963). Thinking with Concepts, Cambridge University Press.
- Zeiger, M. (2009). Tiny Houses, Rizzoli.
- Zumthor, P. (2010). Thinking Architecture, Birkhauser Architecture.

Weekly Schedule

Study		Week-Day	Content				
Module 1 [Deduction]	Examination of an existing housing design in respect to its approach to its physical environment, its context and building science it was produced in; Presentation in 1/100 scale	1	13 Feb	Announcement of group lists; General explanations on topics of course			
			16 Feb	AD1Sketchs [1]: Two-Hour Sketch-Model Exercise - Declaration of house list of Module 1 by instructors; Designation of each student's housing project from list			
		2	20 Feb	Discussion on housing project in respect to its approach to its physical environment and its context -through each student's literature review-; Interpretation of its concept, its design principles and building science it was produced in			
			23 Feb	Discussion on housing project in respect to its approach to its physical environment and its context -through each student's literature review-; Interpretation of its concept, its design principles and building science it was produced in			
		3	27 Feb	Studies on housing project's concept, drawings in 1/100 and presentation; Plans, sections, elevations, perspectives, physical and conceptual models			
			2 Mar	Studies on housing project's concept, drawings in 1/100 and presentation; Plans, sections, elevations, perspectives, physical and conceptual models			
		4	6 Mar	Submission of posters and models of Module 1; Installation of exhibition - AD1Talks [1]: Two-Hour Seminar "Esra Kahveci (PhD candidate at UCLA Architecture, Researcher at ITU)"			
			9 Mar	Site Trip			
		5	13 Mar	Discussion on environment analyses and context reading; Declaration of user profile and life scenarios by instructors; Designation of each student's user profile, life scenario and specific site			
			16 Mar	Studies on representing site's image, conceptual site models; Discussion on photographs, collages, sketches...; Drawing site plan, site sections, silhouettes (1/500, 1/200)			
		6	20 Mar	Studies on story board and image mapping; Drawing site plan, site sections, silhouettes; Discussion on general design approaches to site over analyses; Debates on different design proposals over conceptual models and sketches (1/500, 1/200)			
			23 Mar	AD1Talks [2]: Two-Hour Seminar "Architect Hakan Demirel (Suyabatmaz Demirel Architects)" - Studies on story board and image mapping			
		7	27 Mar	Studies on project's concept; Debates on different design proposals over conceptual models and sketches (1/500, 1/200)			
			30 Mar	Debates on different design proposals over conceptual models and sketches (1/500, 1/200)			
		Module 2 [Induction]	Design of a house connected with its physical environment, its context and current building science; Presentation in 1/100 scale	Performance of Design Problem	Site-Reading/Writing, Conceptualization	8	3 Apr
	6 Apr					1 st -Collective- Jury: Submission and presentation of posters and models	
9	10 Apr					AD1Talks [3]: Two-Hour Seminar "Architect Sinan İzgi (Aura-Istanbul)" - Reinterpretation of each student's design proposal according to their weak points after/through jury's critiques	
	13 Apr					Debates on main decisions of different design proposals over conceptual models and sketches (1/200, 1/100)	
10	17 Apr					Debates on main decisions of different design proposals over conceptual models and sketches (1/200, 1/100)	
	20 Apr					Debates on main decisions of different design proposals over conceptual models and sketches (1/200, 1/100); Studies on design problem through sketches, models, 2D and 3D drawings (1/100)	
11	24 Apr					Studies on design problem through sketches, models, 2D and 3D drawings (1/100)	
	27 Apr					Studies on design problem through sketches, models, 2D and 3D drawings (1/100)	
12	1 May					Holiday	
	4 May					2 nd Jury: Submission and presentation of posters and models	
Representation	13					8 May	AD1Sketchs [2]: Two-Hour Sketch-Model Exercise - Evaluation of each student's project according to their weak points after/through jury's critiques
						11 May	Developing project's drawings in 1/100
	14					15 May	Developing project's drawings in 1/100
						18 May	Discussions on various presentation techniques
	15					22 May	Discussions on various presentation techniques
	25 May	Final Submission					