

Course Day and Hour: Monday & Thursday 13:30-17:30
Course Room: Online
Course Credit: 5
Course Web Site : Ninova CRN 21788

Course Instructor: Dr. Elif Sezen Yağmur-Kilimci
e-mail: esyagmurkilimci@itu.edu.tr
Office no: 218 B

Course Assistant/s: -

Project Studio Description

Children’s Center for S.T.E.M (Science, Technology, Engineering and Math)

The studio will focus on designing a Children’s Center for STEM on a site to be selected within the area of ITU’s Maslak Settlement, with the aim to provide children at different stages of their preliminary/primary education a context (1) where they will be able to find out/learn (more) about STEM subjects in a non-school environment, through hands on, interactive\ engaging and enjoyable experiences, (2) that will help to initiate/raise the kids’ interest in studying and pursuing a degree in STEM, (3) that will make STEM more visible and accessible by/to the society, and (4) that will provide the STEM community, i.e. academicians/students and educators in STEM fields, with new/further opportunities to contribute to STEM education of the upcoming generations, and thereby the advancement of the field.

The studio will be comprised of three project modules. As indicated in the weekly schedule, all these modules will be followed by pin up reviews (juries) to evaluate and provided feedback to the students on the work they produced in the respective module and up to that point. In the first of these modules’ students will be required to put emphasis on understanding the cultural, social and physical characteristics of the project’s larger context, framing their design goals and determining the site for the project. In the second module, students will focus on developing design concepts with a focus on building’s relationship with its context, 3D form and organization of building’s major spaces and volumes, the enclosing and structural systems. In the jury following this module, the students will be required to present their design proposals to external reviewers in accord with the submission requirements that will be specified to them prior to the jury. Last module will be devoted to students’ detailing/ specifying/ finalizing their design proposals, exploring ways for expressing their design intents and the motivations/rationale behind them in the most comprehensive way. The date for final jury will be set up in accord with the finals submission dates to be announced by the faculty.

During the term, the studio will require the students work with several forms of representations and encourage their use of computational methods/tools for exploring/refining/expressing different aspects of their designs. These representations will include (but not be limited to) physical and digital models representing concepts or selected features of a design in a certain scale and hand-drawn/computer-generated drawings, sketches, diagrams and collages.

The juries will be conducted with invited scholars/professionals. Works that students produce during the term will be often be reviewed through pin ups with the instructor. The studio will not favor individual critiques during the online education period. Students will be given individual critiques only towards the end of the semester, when working on details of the project and in occasions that

necessitates it. Students attending the studio will be motivated to listen the individual critiques unless the student demands otherwise due to his/her specific circumstances.

Project Studio Structure and Plan

Weekly Plan

WEEK	DATE		TOPIC
1	Monday 01.03	Module 1	Introduction of the Design Project Study of Precedents Readings of the Site and Use Case Analyses Defining the project's goals Determining the location of the project site
	Thursday 04.03		
2	Monday 08.03		
	Thursday 11.03		
3	Monday 15.03	Jury I	
	Thursday 18.03		
4	Monday 22.03	Module II	Development of design concept Studies on the 3D form and layout of the building spaces and volumes, structural and the enclosure system
	Thursday 25.03		
5	Monday 29.03		
	Thursday 01.04		
6	Monday 05.04	Jury II	
	Thursday 08.04		
7	Monday 12.04		
	Thursday 15.04		
8	Monday 19.04	Module III	Project Development Refinement, Finalization and Representation of the Design Intent
	Thursday 22.04		
9	Monday 26.04		
	Thursday 20.04		
10	Monday 03.05	Final Jury	Final Submissions (including the portfolio)
	Thursday 06.05		
11	Monday 10.05		
	Thursday 13.05		
12	Monday 17.05		
	Thursday 20.05		
13	Monday 24.05		
	Thursday 27.05		
14	Monday 31.05		
	Thursday 03.06		
	Date to be announced		

Project Studio Assessment

In-studio activities - 10%

Juries to be held during the term 20% (10% each)

The final jury %20

Final submission %40

Portfolio 10%

Note that students have to attend 80% of the studio hours in order to be granted a grade for the course.

Minimum requirements for final submission:

- Mappings and diagrams revealing research outcomes and various interpretations on individual design thoughts and decisions

- technical drawings at various scales, expressing the proposed building design in relation to its context that include but not limited to plans, sections, elevations, perspective and axonometric drawings in appropriate scales
- Physical/Digital Models expressing the form and organization of the building spaces/volumes
- Visualizations of all kinds depicting the ways the user's will experience the spaces you create within the building and the interactions they will have with the proposed building environment and its surroundings.
- representations of various forms developed during the term to explore and represent different aspects of design thoughts, decisions and proposals.

Recommended Readings

Will be announced later.