



MIM-SBP-PEM

# tes111e

PROJECT I

Section 5

2022-2023 fall

Monday - Thursday 08:30-12:30

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# Syllabus

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### COURSE OBJECTIVE and DESCRIPTION

**TES111E Project I** is a studio course with the main objective to enable first year students to recognize, explore, analyze, conceptualize, interpret, and critically approach the fundamental ways in which humans, objects, spaces and the environment are interrelated. Students are expected to gain dexterity in creative problem solving and in using the basic terminology of different design disciplines. By the end of the course, students will be able to develop design alternatives for a given brief in a natural, cultural and conceptual context, and by considering the structural, material, and constructional parameters related to the scale of the given design problem. Providing a venue to acquire skills in analysis and synthesis in design, the course also aims at informing the students on theory and practice of creativity, general design principles, basic design elements, and key issues in design, helping them to effectively employ basic verbal and graphic communicative skills to receive and convey ideas. By the end of the course, students are expected to exhibit skills to gather, assess, record, apply and comparatively evaluate information relevant for their design processes.

### COURSE CONTENT

This course consists of three project modules. The assessment of each project is executed separately. The projects are expected to touch to the complementary themes. The students will gain skills in developing design alternatives in relation with the natural, cultural and conceptual context and by taking into consideration the structural, material, construction parameters related to the design's scale. This project provides the students to understand basic understanding of a design process as a system with user, built structure, location and environment as main components of any spatial design, represent their research and design their works by verbal, written, visual techniques.

#### **MODULE 1: [S-UNIT] | WEEKS 1-4**

The first module enables to students to understand the system approach, design process, basic dimensions, scale, anthropometry, use-user-design relationship.

#### **MODULE 2: [X-SCAPE] | WEEKS 4-9**

The second project module is defined to improve design skills on surfaces via creating/modifying/integrating natural and artificial surfaces via grading. In this project grading is a main methodology/tool to create various design elements and soil or ground surface is the main material of this method.

#### **MODULE 3: [+ CART] | WEEKS 10-15**

The last project of this semester focuses on architectural space and urban pattern. Design of Closed/semi-closed/open space of a single module and integration of indoor and outdoor will help to discuss the architectural design process and wholistic design approach comprehending interior design to urban system.

All studies are evaluated with jury. Outcomes of these studies are exhibited in colloquium.

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## WEEKLY SCHEDULE

W	DATE	PROGRAM	PRESENTATION Keywords & Basic Principles	CRN Section CRN (S) Tutor CRN (T)	Course learning outcomes
	19-Sep-22	<b>ORIENTATION</b>		Faculty	
1	22-Sep-22	Introduction	<b>Introduction:</b> System approach, Anthropometry, Human scale	08:30-10:00 (S) 10:00-12:30 (T)	1,2
2	26-Sep-22	<b>S-Unit</b>		(T)	2,3,5,6
	29-Sep-22	<b>S-Unit</b>		(T)	2,3,5,6
3	3-Oct-22	<b>S-Unit</b>		(T)	2,3,4,6
	6-Oct-22	<b>S-Unit</b>		(T)	1,2,3,4
4	10-Oct-22	<b>S-Unit</b> Submission and exhibition	<b>Topography and Grading</b>	08:30-10:00 (S) 10:00-12:30 (T)	1,2,3,4,6
	13-Oct-22	<b>X-Scape:</b> Earthworks "Taksim Gezi Park"		(T)	2,3,5,6
5	17-Oct-22	<b>X-Scape:</b> Use/User/Earthworks	<b>Inclusive design</b>	08:30-11:30 (T) 11:30-12:30 (S)	1,2,3,4,6
	20-Oct-22	<b>X-Scape:</b> Earthworks-structure		(T)	1,2,3,4
6	24-Oct-22	<b>X-Scape:</b> Environment		(T)	1,2,3,4
	27-Oct-22	<b>X-Scape</b>		(T)	1,2,3,4
7	31-Oct-22	<b>JURY and Exhibition</b>		(T)	1,2,3,4,6
	3-Nov-22	<b>X-Scape</b>		(T)	1,2,3,4
8	7-Nov-22	<b>MIDTERM BREAK</b>			
	10-Nov-22				
8	14-Nov-22	<b>X-Scape</b>		08:30-10:00 (S) 10:00-12:30 (T)	1,2,3,4
	17-Nov-22	<b>X-Scape</b>		(T)	1,2,3,4
9	21-Nov-22	<b>+ Cart :</b> Introduction, Site selection, The system and concept <b>Final revision, submission of XScape</b>	<b>Urban Pattern</b>	08:30-10:00 (S) 10:00-12:30 (T)	2,3,4,5,6
	24-Nov-22	<b>+ Cart:</b> Use, Service provider, user, architecture, structure and space		(T)	2,3,4,6
10	28-Nov-22	<b>+ Cart:</b> Use, Service provider, user, architecture, structure and space	<b>Temporary/mobile architecture</b>	08:30-10:00 (S) 10:00-12:30 (T)	1,2,3,4,6
	1-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
11	5-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
	8-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
12	12-Dec-22	<b>JURY and Exhibition</b>		(T)	1,2,3,4,6
	15-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
13	19-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
	22-Dec-22	<b>+ Cart</b>		(T)	1,2,3,4
14	26-Dec-22	<b>FINAL JURY</b>		(S)	1,2,3,4,6
	29-Dec-22	<b>FINAL JURY</b>		(S)	1,2,3,4,6

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### COURSE LEARNING OUTCOMES

Students, who passed the course satisfactorily, increase their:

- 1) Design skills.
- 2) Critical thinking skills.
- 3) Research and analytical problem-solving skills on a given planning or design problem.
- 4) Graphical representation and form generating skills learned in visual communication courses.
- 5) Team-work skills.
- 6) Use of precedents

### STUDIO PROCESS and SUBMISSIONS

The course will be held **in class** during the hours announced in the weekly program [Monday/Thursday, 08.30–12.30] and in accordance with **any guidelines and precautions of the Covid-19 pandemic if necessary**. Course instructors and students will meet in the allocated studio(s) unless specified otherwise by the course instructors. Each student will have a designated work area during the studio hours. General assemblies or presentations related to the course may be held in the studio using a virtual platform or in one of the conference rooms in Taşkışla.

It is of utmost importance that students keep their working areas clean while in the studio and speckless at the end of the course. **The studio space will be used by another class after ours so it is both courteous and safe to evacuate on time (no later than 12.30) with all belongings and trash.** Please know and comply with [TES Studio Principles](https://tes.mim.itu.edu.tr/studio-principles/). (<https://tes.mim.itu.edu.tr/studio-principles/>)

Submission date and time interval will be announced for all studies. Making submission on time is compulsory. Especially for the final submission, late submissions will not be accepted (**even few minutes delay will not allowed**)! The official final submission interface for TES courses is hand in submission of hard copies and scanned digital versions for submission via [ninova.itu.edu.tr](http://ninova.itu.edu.tr).

### STUDIO HOURS and ATTENDANCE

It is important that students follow the studio. This means being on time and actively participating in the activities held during the course hours under the direction of the studio instructors. There will be a variety of interactive formats so timeliness is essential for an efficient planning and individuals' maximum benefit from peers and instructors. Students are also strongly encouraged to use supporting digital platforms to share multimodal objects and information while interacting with their instructors and peers during studio discussions.

All work is to be produced in accordance with the media, material and format requirements set forth by the instructors in the class or in the announcements made through **Ninova** or other designated platforms. All participants are expected to adhere to [the codes of ethical conduct](https://odek.itu.edu.tr/en/code-of-honor/ethics-in-university-life). (<https://odek.itu.edu.tr/en/code-of-honor/ethics-in-university-life>)

A minimum of 80% attendance is mandatory in studio courses according to ITU Undergraduate Education Regulation Article 23 (Amended: RG-17/6/2021-31514). The 20% is not a right but is reserved for sickness and

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other unforeseen circumstances. The attendance is measured by active participation via submitted studio works.

**STUDIO TECHNOLOGY**

Digital platforms will be used profusely during and outside of studio hours to communicate, conduct research, produce and share work. **Ninova (Section’s common CRN)** will be used for announcements access to live or recorded Zoom sessions, and digital submissions. Additionally, instructors may designate other platforms for announcements and sharing work. We also plan to use supporting platforms such as Google Drive and Google Jamboard to share work within the class community and collaborate. It is highly advised that each **student has a laptop computer with the necessary equipment/hardware**. Students are advised to use a computer with access to Wi-Fi, a camera, basic word and picture editing software, and sound features.

**DISCUSSIONS and JURY ASSESSMENT**

Student works are commonly put under the spotlight for discussion. These discussions serve the purpose of articulating the assessment criteria and conveying suggestions for students to develop their proposals. In these open discussions, students are expected to develop critical perspectives and proactively voice them in the course.

The students are expected to express their works in front of jury. Juries compose of course instructors and invited jury members.

**EXHIBITIONS and EXCURSIONS**

A selection of student projects will be exhibited both during and at the end of the semester on suitable platforms.

Excursions to study areas, seminars, and webinars are encouraged, requiring full attentiveness, critical engagement and post-reflection.

**JOURNAL**

Students are expected to keep a written and visual log of their studio-related processes in a journal that includes sketches, notes and evolving design ideas for their projects. Students are encouraged to use various techniques (drawings, diagrams, collages, writing etc.) in representing their ideas and observations.

**ANNOUNCEMENTS** All announcements will be made on the Ninova class interface. Ninova (Section’s common CRN) will be used for announcements, access to live or recorded Zoom sessions, and digital submissions. Additionally, instructors may designate other platforms for announcements and sharing work.

**EVALUATION** The requirement for active participation in the course is 80%. This includes **both** physically attending classes and regularly completing the in-term assignments/projects throughout the semester. Students who do not meet these conditions will get VF and cannot make final submission.

ASSESSMENT CRITERIA	Activities	Quantity	Effects of Grading
	Projects	3	% 60
	Final Submission	1	% 40

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### RECOMMENDED READINGS

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6. David A. Davis, 2000, Theodore D. Walker, *Plan Graphics*, Wiley
7. Duvshani, G., 2010, *Foundation Design Studio*, Berlin : E. Wasmuth
8. Şahinler,O., Kızıl,F., 2004, *Mimarlık'ta Teknik Resim*, YEM
9. John Berger, J., 1995, *Görme Biçimleri*, Metis Yayınları
10. Andrea Deplazes (ed.), 2005 *Constructing Architecture: Materials, Processes, Structures, a Handbook*, Birkhäuser
11. Robert Harbison, *Thirteen Ways: Theoretical Investigations in Architecture*, MIT Press, 1997
12. Shephard, P., 1994, *What is Architecture? An Essay on Landscapes, Buildings, and Machines*, MIT Press, 1994
13. Zevi, B., 1990, (çev. D. Divanlıoğlu), *Mimariyi Görmeyi Öğrenmek*, Birsen Yayınları
14. Le Corbusier, *Mimarlık Öğrencileriyle Söyleşi*, YKY, 2007
15. Giritlioğlu, C., *Şehirsel Mekan Öğeleri ve Tasarımı*, İ.T.Ü Mimarlık Fak., İstanbul 1998
16. Demirel, E., 2017. Strüktür neden gereklidir. İstanbul, Janus yayıncılık.
17. Laseau, P., 2001, *Graphic Thinking for Architects and Designers*, NewYork: Van Nostrand Reinhold, (Other References)
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19. Moughtin, C., 1992, *Urban Design: Street and Square*, Butterworth-Heinmann, İngiltere
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22. Tschumi, B. 1996., *Architecture and disjunction*. MIT press.
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26. Pallasma, J.,2011, Tenin Gözleri, Transl. by Aziz Ufuk Kılıç, YEM yayın.
27. Calvino, I., 1990, Görünmez Kentler, çev. Işıl Saatçioğlu, Remzi Kitabevi, İstanbul
28. Borges, J. L. Ficciones, 2010, Hayaller ve Hikâyeler, Çev. Özgüven, F. Uyar, Tomris
29. Tufte, E. R., 1991, Envisioning information. Optometry & Vision Science, 68(4), 322-324.
30. Wong, W., 1993, Principles of Form and Design, John Wiley and Sons Inc.
31. Lauer, A.D., Pentak, S., 2011, Design Basics, 8th Edition, Wadsworth Publishing.
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