

Istanbul Technical University – Department of Architecture
MIM 211E - Architectural Design III, 22124
Course Syllabus | 2019-2020 Spring Semester

Course Day and Hour : monday - thursday 13:30-17:30
Course Room : -
Course Credit : 5
Course Web Site : -

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Project Studio Description

The Project III course provides the student with the ability to read, write, speak and listen effectively, ability to gather, assess, record, apply and comparatively evaluate relevant information within the coursework and design processes. Critical thinking - conceptualizing - interpreting - problem definition and problem solving are the main stages of the studio.

The main objective of the course is enabling the students to perceive, investigate, interpret, and analyze human - space - object (product) - environment relationships in the context of Nature and Culture, to gain creative problem solving skills and to gain the expertise in using the fundamental terminology of the profession. Students can develop design alternatives in relation with the natural, cultural and conceptual context and by taking into consideration the structural, material, construction parameters related to the scale of design through this course.

The semester is organized as a series of studies and architectural research that openly or inherently feed into the design topic of the studio, enhanced with the common modules where all departments work together, and finalize with a comprehensive architectural project. The main objective of the studio is to revisit the concept of “*Social Life and Space*” in its historical formation, development of typologies and identities, contextual framework, as well as the radical breaks that critically experiment with the notion of *social spaces* and enrich the possibilities to provoke new *architectural potentials* for displaying “*place identity*”. The first project can be regarded as independent short-term project that in overall add to the question of social life and space from multiple angles and occupants. This short-term study will be supported with daily-based exercises, research and discussions as well as juries and interdisciplinary exchange of knowledge on the common topics.

SEMINARS AND WORKSHOPS

An interdisciplinary seminar & discussion will be conducted in order to discover the study area through examination of the secondary data, definition of problems, and expectations from the field trip. In addition, four interdisciplinary workshops in small interdisciplinary groups will take place throughout the studio. Interdisciplinary workshops will consist of four main ideas. The first workshop focuses on the urban pattern and identity. The expected outcome of this workshop is a poster study that highlights historic and modern characteristics of the study area regarding the urban pattern, buildings and the user interactions via drawings, photographs and field notes. The second workshop aims at producing a promotion/information file which is a poster study that involves the most important characteristics of the study area at all scales of analysis. Third, a comparative analysis of alternatives will be sought in a poster study that describes the common and diverging aspects of the plan and project alternatives produced by the mini groups of students. The fourth and last interdisciplinary workshop will enable the students to present reflection of interactive interdisciplinary learning on the individual end-products. While doing so, the students are also expected to study different graphic presentation techniques.

PROJECT STUDY #1: “Social Space for A Time”

This first project study focuses on various dynamics that shape the relationship between human and environment. We will gather and analyse data on natural and built environments as well as the socio-economic structure and social environment with its festivals, local production, and identity of Cibali. The first study will be focusing on the question of “Sustainability of Cibali” through “Culture and Spaces” that supports “Social Life” as a time-space-culture concept. The study that will expand to two weeks (intense study) will aim to provoke students to re-think the notion of “social space” beyond a static, permanent and complete object, but rather as a temporary dynamic environment which supports culture and identity. First, an exercise will be executed to allow students observe the time-based formation of space, its changing character and relationship with the site, program, users, etc. as an architectural potential. Following students will be asked to propose temporary “social spaces” that correspond to different social lives, durations, needs and moods. These temporary structure (with open, semi open and closed spaces) proposals will be located in different parts of the city, and will be corresponding to different temporal needs (such as 1 hour/1 day/ 1 month/ 1 year so on...) as well as display of different identities. Architectural ideas will be represented with a concern to express the temporal changes of space and program. The process will be finalized with collective review and discussions on the different architectural possibilities on these designs for all social spaces and their representation.

PROJECT STUDY #2: FINAL PROJECT: “Social Spaces of Cibali”

The value of public spaces: economic /social/ environmental

Public spaces play a vital role in the social and economic life of communities and can act as a ‘social glue’. Public spaces offer many benefits: the ‘feel-good’ buzz from being part of a busy street scene; the therapeutic benefits of quiet time spent on a park bench; places where people can display their culture and identities and learn awareness of diversity and difference; opportunities for children and young people to meet, play or simply ‘hang out’. All have important benefits and help to create local attachments, which are at the heart of a sense of community. Public spaces facilitate the exchange of ideas, friendships, goods and skills.

The final project entitled “Social Spaces of Cibali ” will focus on developing a shared-living scenario that corresponds to complex programmatic and spatial needs of various social groups in Cibali. The theme of “creating sustainable communities”, and “long-term liveability” are some critical concepts that will allow discussing the problems of social spaces not only related to urban-rural (rurban) transitions of Cibali and its environs but revisit the concept of “culture and space” in a wider critical context of well-being and place identity of groups.

The given conceptual framework will aim to influence the development of architectural ideas, and provoke critical thinking in the spatial reorganization of program, relationship with site, environment, users, as well as selection of materials, use of resources, architectural detailing etc. Each project will be designed to cope with conflicting issues between urban and rural life, ownership and use, permanency and temporariness, semi private and private space, sustainability and market dynamics, etc. increasing consumption and diminishing resources. But at the same time, all projects are expected to be well-developed and detailed to meet the programmatic and spatial needs with architectural integrity and completeness.

The projects will be located in various characteristic locations in Cibali and take into consideration the dynamics of each site in various scales. These discussions, as well as the preliminary studies and experiences in the common modules will inform the development of the architectural project. Students will be developing their projects individually, but in constant dialogue with their peers and tutors. Final weeks will be focused on developing the representational language of the final project.

Project Studio Structure and Plan

Course Plan

WEEK	DATE	TOPIC
1	10.02.2020	Common Module I
1	13.02.2020	Common Module II
2	17.02.2020	CM II – SBP-MIM :Presentations of the students
2	20.02.2020	CM II – SBP-MIM :Presentations of the students
3	23.02.2020	PROJECT STUDY# 1: “Social Space For A Ti Site Analysis/ Contextual Design
3	27.02.2020	COMMON MODULE CRITICS
4	02.03.2020	Contextual Design/Preliminary Ideas/Programing/
4	05.03.2020	ARCH Technical trip to Cibali
5	09.03.2020	Site Analysis/Functional Analysis/ Programing
5	12.03.2020	Design Development
6	16.03.2020	Design Development
6	19.03.2020	Design Development
7	23.03.2020	Design Development
7	26.03.2020	1st critiques 1st Submission
8	30.03.2020	Term Break
8	02.04.2020	Term Break
9	06.04.2020	PROJECT STUDY# 2 “Social Spaces of Cibali” The value of public spaces: economic/social/ environmental
		Site Analysis/ Contextual Design/ Preliminary Ideas
9	09.04.2020	Site Analysis/ Contextual Design/ Preliminary Ideas
10	13.04.2020	Programing/Functional Analysis/Case Analysis
10	16.04.2020	Case Analysis Preliminary Design
11	20.04.2020	Design Development
11	23.04.2020	Design Development

12	27.04.2020	Design Development
12	30.04.2020	2nd critiques 2nd Submission
13	04.05.2020	Design Development
13	07.05.2020	Design Development
14	11.05.2020	Design Development
14	14.05.2020	Drawing/Presentation Preparation
15	18.05.2020	Drawing/Presentation Preparation
15	21.05.2020	Draft Submission

Recommended Readings

1. Candilis, Georges, et al. Planen und Bauen für die Freizeit: Recherches sur l'architecture des loisirs: Planning and design for leisure. K. Krämer, 1972.
2. Stickells, Lee. "Architecture and the Welfare State." Fabrications 26.1 (2016): 123-126. 3.
3. Gehl, Jan. Life between buildings: using public space. Island Press, 2011.
4. Brower, Sidney. Neighbors and neighborhoods: Elements of successful community design. American Planning Association, 2013.
5. Şahinler, Orhan, and Fehmi Kızıl. Mimarlıkta teknik resim. Yapı Endüstri Merkezi, 2004.
6. De Chiara, Joseph. Time-saver standards for building types. McGraw-Hill Professional Publishing, 2001. Rawlings, I., Abel, M. 2004. Portable Houses, Salt Lake City, Utah: Gibbs Smith (TH4819.M6 R39 2004).
7. Nappo, D. 2010. Homes on the Move: Mobile Architecture, Köln, Germany: H.F.Ullmann (TH4819.M6 N37 2010).
8. Seonwook, K., Miyoung, P., 2011. Mobile Architecture, Seoul: Damdi Publications (NA8480 .M63 2011).
9. Levitt, D. 2010. Housing Design Handbook, A Guide to Good Practice, Abingdon, Oxon: Routledge (e-book).
10. Department for Building Construction and Design - HB2 (Eds.). 2012. Housing Density, NewYork: SpringerWien (e-book).
11. Broto, C. 2005. Compact Houses, Barcelona, Spain: Links International Publishing Group (NA7126 .B76 2005).
12. Chan. Y. 2011. Small Environments, Beverly, Mass.: Rockport Publishers (e-book).
13. Schittich, C. (ed.) et al. 2010. Small Structures : Compact Dwellings, Temporary Structures, Room Modules, München : Edition Detail ; Basel : Birkhäuser (NA7533 .S63 2010).
14. Zeiger, M. 2009. Tiny Houses, New York: Rizzoli (NA7126 .Z45 2009).
15. Hart, J.F., Rhodes, M.J., Morgan, J.T. 2022. The Unknown World of the Mobile Home, Baltimore: Johns Hopkins University Press (e-book).
16. Herzog, T. 2004. Facade Construction Manual, Basel: Birkhauser-Publishers for Architecture (M TH2235 .H47 2004).
17. Crosbie, M.J., 2003. Multi-Family Housing, The Art of Sharing, Australia: Images Publishing (e-book).
18. Student Accomodation Guideline, City of Whitehorse e-source
19. Sustainable Urban Housing: Design Standards for New Apartments Guidelines for Planning Authorities, 2015, Department of the Environment,
20. Vandyke, S., From Line to Design, Design
21. Neufert, E. (2000). Achitects' Data, Malden, MA: Blackwell Science Publishers (M TH151 .N48 2000).
22. Design Guide for Student Housing, Unesco Regional Office for Education in Asia and Ocenia (e-source).
23. Coles, J. & House, N., (2007). The Fundamentals of Interior Architecture, AVA Academia, Lausanne.
24. Riggs, J.R., (2003). Materials and Components of Interior Architecture, Prentice-Hall, New Jersey.
25. Ching, F, D.,K., (2002). Mimarlık: Biçim, Mekan ve Düzen, YEM Yayınları, İstanbul.
26. Gesimonde, N. & Postell, J., (2011.) Materiality and Interior Construction, John Wiley & Sons, Hoboken, N.J.

Project Studio Assessment

EVALUATION CRITERIA AND EXPECTED LEARNING OUTCOMES

- Interdisciplinary Workshop I (SBP)
- Interdisciplinary workshop II (MIM)

Students are expected to present their works in crit sessions in common modules. Crits compose of course instructors and invited professionals/scholars.

The following list summarizes the percentages assigned to each studio phase during semester and additional required items:

Site Analysis	10%
First Review (Critics)	20%
Second Review (Critics)	25%

Final Exhibition 35%
Participation* 10%

***Participation Criteria:** Attendance to desk critiques, contribution to reviews and discussions.

	Activities	Quantity	Effects of Grading
ASSESSMENT CRITERIA	COMMON MODULE	2	%20
	PROJECT STUDY 1-2	2	% 40
	FINAL SUBMISSION*	1	% 40

Contributors

Note : *Minimum requirements for **final submission**:

- Diagrams (site analyses, user profile & building programme, decisions on common spaces, important design decisions)
- Plans (site plan 1/500, cluster plans 1/200, floor plans 1/100 & 1/50)
- Elevations (1/100 & 1/50 in relation with street scape, materiality, landscape)
- Sections (1/100 & 1/50 in relation with neighbors, materiality, landscape)
- Perspectives (min. 1 isometric, 1 street scape, 3 interior)
- Physical models (1/500 neighborhood model (as a group), 1/200 cluster model (as a team), 1/100 individual unit model)
- animated black and white.GIF (non-compulsory)
- one large single visual (non-compulsory)
- students may use additional materials. posters should be submitted in both vertical A2 and A3 format. digital versions will be uploaded to a dropbox folder (will be announced).

Attendance:

Attendance to class is mandatory. Students should better not be absent at any class hours without an acceptable excuse. Attendance will be taken according to the critiques taken. Thus, you will be attending to the class with your design works. You should take at least 80 % of critiques given throughout the semester. Repeated absence will not be tolerated and will result in grade reduction or forced withdrawal.

It is important that students attend the studio and actively participate in all the activities/discussions carried out/held during the course hours. Students are only allowed a maximum of 5 absences. The 6th absence will automatically cause the student to fail the course.

At the beginning of every studio day, **at 13:15**, an online session of discussion on various architectural topics will be held.

At the end of every studio day a daily visual report will be submitted as a proof of attendance.