

Student Living Environment in Cibali

Design Topic and Scope

The student living environment focuses on designing a dormitory to address the increasing accommodation needs of higher education students. Within this framework, the design aims to create a living environment centered around dormitory design, enabling both students residing in the dormitory and neighborhood residents to study, socialize, and integrate into daily life practices.

The living environment should offer an architectural setting and content that young people pursuing undergraduate and graduate education can adopt and feel comfortable in. The design of this living environment should include individual and collective study areas, provide opportunities for young people to develop social relationships outside of study hours, incorporate recreational functions to refresh the body and mind, and ensure a balanced distribution of public and private spaces. It should also adopt an approach that integrates with the neighborhood.

In the spatial and structural organization of the Student Living Center, modular and dimensional coordination principles should be emphasized, considering that dormitory room units will be produced repetitively. During the urban integration process, compliance with urban morphology and zoning regulations is essential. Laws and regulations regarding emergency evacuation and accessibility in case of disasters such as fires and earthquakes must be followed, along with parking capacity and entry/exit standards. Additionally, shelter spaces mandated by law should be established.

Design Area

The study area is located in Cibali, a Golden Horn settlement within the boundaries of Istanbul's Historic Peninsula, and is in close proximity to Kadir Has University. The site is bounded by Yazar Orhan Kemal Street, Salih Pasha Avenue, Haraççı Garden Street, and Üsküplü Avenue. It is situated in an urban fabric defined by residential, commercial, tourist accommodation, and educational functions.

The student living environment design should specifically address the accommodation, socialization, study, and relaxation needs of higher education students. This project, located in the Cibali district of Istanbul's Historic Peninsula, aims to create a harmonious living space for both students and neighborhood residents. The main elements and scope of the design can be detailed as follows:

1. Design Principles

- **- Modular and Flexible Structure:** Dormitory rooms should be designed with a repetitive modular system and comply with dimensional coordination principles, ensuring cost and time efficiency.
- **- Accessibility:** The design must be accessible for disabled students and the room capacity of 10% should meet accessibility standards.

- - **Disaster Safety:** Safety measures against disasters such as earthquakes and fires must be implemented, including emergency exits and shelter areas.
- - **Urban Integration:** The design should harmonize with Cibali's urban fabric, preserving its historical and cultural heritage while meeting modern needs.

2. Spatial Organization

Dormitory Units

- **Dormitory Rooms:** Designed for a capacity of 150-200 students, with single or shared rooms equipped to meet basic needs (bed, study desk, wardrobe, power outlets, internet connection, etc.).
- **Reception and Lobby:** A reception and waiting area at the entrance to welcome students.
- **Floor Halls:** Common areas on each floor for students to socialize.
- **Laundry and Ironing Rooms:** Laundry and ironing facilities on each floor or at regular intervals.

Common Areas

- **Dining Hall/Restaurant:** A dining area to meet students' daily meal needs.
- **Café:** A café area for socialization and relaxation.
- **Individual and Group Study Spaces:** Study rooms and drafting studios equipped with IT facilities.
- **Library:** A quiet space for studying or reading.

Support Spaces

- **Administration and Staff Areas:** Offices for dormitory management and staff.
- **Retail Units:** A small market or kiosk for basic necessities.

Social Spaces

- **Semi-Olympic Swimming Pool:** A swimming pool to meet students' physical activity needs.
- **Infirmary:** A clinic for emergency health needs.
- **Guidance and Counseling Units:** Units to address students' psychological and academic counseling needs.

Service and Parking

- **Service and Parking Entrances/Exits:** Adequate parking spaces for students and visitors.
- **Main Kitchen:** A kitchen area for the dining hall.
- **Technical Spaces:** Areas for heating, cooling, electrical, and water systems.
- **Shelter:** A shelter area for disaster situations.

3. Urban Integration

- - **Neighborhood Living:** The design should harmonize with Cibali's historical fabric and establish a balanced relationship between neighborhood residents and students.
- - **Green and Open Spaces:** Green areas and open spaces for use by both students and residents.
- - **Transportation and Access:** The dormitory should provide easy access to Kadir Has University and other transportation routes.

4. Sustainability and Eco-Friendly Design

- **Energy Efficiency:** Energy-efficient systems and renewable energy sources like solar power should be incorporated.
- **Water Management:** Rainwater collection and recycling systems to conserve water.
- **Material Selection:** Use of eco-friendly and durable materials.

5. Details to Enhance Student Quality of Life

- **Smart Building Systems:** Smart systems (heating, cooling, lighting control) in dormitory rooms and common areas.
- **Social Activity Spaces:** Open and closed areas for students to organize social events.
- **Security:** Security should be considered within and around the dormitory.

As a conclusion, this project aims to create a comprehensive living environment that meets students' accommodation, study, socialization, and relaxation needs. The design should offer a harmonious living space for both students and neighborhood residents while preserving the urban fabric and addressing modern requirements.

Course Objective

The primary focus of the studio is defined as "integration into the city". In this context, students are expected to engage with the urban fabric and contemporary dynamics within the complex and multi-layered structure of the city. Students are required to interpret the architectural program, addressing diverse and complex spatial layers, and develop a design proposal. The design issues for the course are as follows:

- Researching a specific urban environment, analyzing the site, representing site explorations, and contextualizing a place.
- Working across different scales, from landscape to interior. Thinking multi-scalarly; considering urban and architectural scales together.
- Designing according to the urban context.
- Learning to produce/define an original scenario/architectural program.
- Presenting/expressing conceptual and design processes visually and verbally.
- Structuring the program in a hybrid and multi-layered manner, incorporating public spaces, social and shared areas.

Course Content

The main objective of the course is to propose an architectural program that integrates with urban life and connects to urban living, considering the socio-spatial dimensions of the given design area. Students are expected to understand an urban pattern with all its layers in the context of space, culture, history, sociality, or topography. The studio reinforces how architecture engages with society and "space." It aims to explore numerous topics and potentials in terms of space and culture. More specifically, the studio addresses coexistence, bringing people together, urban encounters, and the discussion of place-specific cultures through two different design topics. There will be multiple project sites to develop a discussion environment on local urban dynamics.

Learning Outcomes

1. Identifying the problems and potentials of an urban fabric with different dimensions such as history, culture, and topography.
2. Learning to combine urban and architectural scales and understanding the concepts of urban voids and thresholds.
3. Learning to produce/define an original scenario.
4. Learning to work at both urban (1/2000 and 1/1000) and architectural (1/500, 1/200) scales.
5. Presenting conceptual and design processes.
6. Proposing a hybrid and complex architectural program that includes social and shared spaces.
7. Meeting the design and structural system requirements of a large-span space.

Assessment Criteria

- **15% Exhibition, Midterm Evaluation-1, and Submission** (Presentation and submission must be completed. It is a component of the Midterm Exam Grade.)
- **25% Midterm Submission and Jury** (Submission must be completed, and the work must be presented to the jury. It is a component of the Midterm Exam Grade.)
- **15% Exhibition, Midterm Evaluation-2, and Submission** (Presentation and submission must be completed. It is a component of the Final Exam Grade.)
- **15% General Participation** (Regular attendance and consistent communication with the course instructor are required. It is a component of the Final Exam Grade.)
- **30% Final Submission and Final Jury** (Submission must be completed, and the work must be presented to the jury. It is a component of the Final Exam Grade.)
- Students must actively participate in at least 80% of the course.
- To be eligible for the semester/year-end exams (including in case of course repetition), at least 80% attendance must be maintained.
- Within the progression process, any incomplete steps of the work must be completed within their respective module. For a module to be evaluated as successful, at least 80% of the work steps within the module must be completed.

Tasarım Alanı Hava Fotoğrafları / Aerial View of the Design Area



MIM401 Design Studio VII

10 ECTS, (4T+4U)

2024-2025 Spring

'25 Spring / Bahar			Program	
Modül / Module	Hafta / Week	Gün / Day	Konu / Content	Açıklama / Description
Modül 1. Tasarım Öncesi / Module 1 Pre-design	1	17.02.2025	Fakülte Açılış Konuşmaları ve Eskiz Şenliği / Prologue: Inaugural speech of the Dean	Dokümantasyon, haritaların eldesi ve tasarım süreçleri için mimari vaziyet planlarının bir araya getirilmesi / Documentation, acquisition of maps, and compilation of architectural site plans for design processes
		20.02.2025	Ders izlencesi ve çalışma konularının paylaşılması / Handing out the Syllabus and Course Schedule, and Design Themes	
	2	24.02.2025	Südyo Çalışması / Studio Work	Tasarım Öncesi Hazırlık aşaması, araştırma, kaynak toplama ve analiz. Tasarım girdilerinin eldesi ve tespiti, gözlemler, analizler. Ölçek: 1/500, 1/2000, 1/1000 / Pre-Design Preparation Phase: Research, resource gathering, and analysis. Acquisition and identification of design inputs, observations, and analyses. Scales: 1/500, 1/2000, 1/1000.
		27.02.2025	Gezi: Tasarım Alanı / Excursion: Design Site,	
	3	3.03.2025	Südyo Çalışması / Studio Work	Analiz gözlem ve tespitlerin temsili. Ölçek: 1/1000, 1/500 / Representation of analysis, observations, and findings. Scale: 1/1000, 1/500
		6.03.2025	Südyo Çalışması / Studio Work	
Modül 2. Tasarım Kararları / Module 2 Design Decisions	4	10.03.2025	Südyo Çalışması / Studio Work	Analiz Gözlem ve tespitlere dayalı olarak ilk tasarım alternatiflerinin oluşturulması, 2B ve 3B modeller ile temsili. Ölçek: 1/5000, 1/2000, 1/1000, 1/500 / Creation of initial design alternatives based on analysis, observations, and findings, represented through 2D and 3D models. Scales: 1/5000, 1/2000, 1/1000, 1/500.
		13.03.2025	Südyo Çalışması / Studio Work	
	5	17.03.2025	Açık Sergi ve Teslimi (1) / Exposition, Intermediate Evaluation-1 and Submission (1)	
		20.03.2025	Südyo Çalışması / Studio Work	Tasarımın işlevsel ve mekansal organizasyonu. Ölçek:1/500 / Functional and spatial organization of the design. Scale: 1/500.
	6	24.03.2025	Südyo Çalışması / Studio Work	
		27.03.2025	Südyo Çalışması / Studio Work	
Modül 3. Gözden Geçirme / Design Review	7	31.03.2025	Bayram	
		3.04.2025	Südyo Çalışması / Studio Work	
	8	7.04.2025	Südyo Çalışması / Studio Work	Gözlem, analiz, tespit ve kavramsallaştırma, tasarım girdileri ve ön tasarım fikirlerinin gözden geçirilmesi. Geri dönüşü süreçler ile tasarımın ana kararlarının sorgulanması. Ölçek, 1/500, 1/2000, 1/1000, 1/500 / Observation, analysis, identification, and conceptualization: Review of design inputs and preliminary design ideas. Iterative processes to question the main decisions of the design. Scales: 1/500, 1/2000, 1/1000, 1/500.
		10.04.2025	Südyo Çalışması / Studio Work	
	9	14.04.2025	ARASINAVI ve TESLİMİ / MIDTERM EXAM and SUBMISSION	
17.04.2025		ESKİZ SINAVI (2) Mimari ölçekte çalışmalar / SKETCH EXAM (2)		
Modül 4. Tasarımın Geliştirilmesi / Module 4 Design in Progress	10	21.04.2025	Südyo çalışması mimari ölçekte çalışmalar / Studio work in architectural scale	
		24.04.2025	Südyo çalışması mimari ölçekte çalışmalar / Studio work in architectural scale	
	11	28.04.2025	Südyo çalışması mimari ölçekte çalışmalar / Studio work in architectural scale	
		1.05.2025	Emek ve Dayanışma Günü (Tatil)	
	12	5.05.2025	Südyo çalışması mimari ölçekte çalışmalar / Studio work in architectural scale	Tasarımda ilerleme, plan kesit ve görünüş şemalarının mimari ölçekte geliştirilmesi. Ölçek 1/200, Analog ve Dijital 3B modellerin geliştirilmesi, Mekansal zenginlik ve cephenin çevre koşulları ile etkileşim sistem olarak ele alınması, Ölçek 1/50, 1/20 / Design progression: Development of plan, section, and elevation schematics at architectural scales. Scale: 1/200. Development of analog and digital 3D models. Consideration of spatial richness and the façade as a system interacting with environmental conditions. Scales: 1/50, 1/20.
Modül 5. Tasarımın Detaylandırılması ve Temsili / Module 5 Detailing and Representing the Design	13	12.05.2025	Südyo çalışması mimari ölçekte çalışmalar, sistem detayı / Studio work in architectural scale, system detail	
		15.05.2025	Açık Sergi ve Teslimi: Südyo çalışması mimari ölçekte çalışmalar, sistem detayı / Studio work in architectural scale, system detail(3) / Exposition, Intermediate Evaluation-1 and Submission: Studio work in Architectural Scale, System Detail (3)	
	14	19.05.2025	Atatürk'ü Anma, Gençlik ve Spor Bayramı	
		22.05.2025	Südyo çalışması mimari ölçekte çalışmalar, sistem detayı / Studio work in architectural scale, system detail	
	15	26.05.2025	Südyo çalışması mimari ölçekte çalışmalar, sistem detayı / Studio work in architectural scale, system detail	
		29.05.2025	Südyo çalışması mimari ölçekte çalışmalar, sistem detayı / Studio work in architectural scale, system detail	Tasarımın tüm ölçeklerinin revizyonlar ile geliştirilerek detaylandırılması ve temsili gerçekleştirilmesi Ölçek: 1/5000, 1/2000, 1/1000, 1/500, 1/200, 1/50, 1/20 / Detailing and representation of the design through revisions across all scales. Scales: 1/5000, 1/2000, 1/1000, 1/500, 1/200, 1/50, 1/20.
	16	2.06.2025	Final Teslimine Hazırlık / Preperation for Final Submissions	
		5.06.2025	Bayram Öncesi	
	17	9.06.2025	Bayram	
12.06.2025		Final Teslimine Hazırlık / Preperation for Final Submissions		
18	16.06.2025	FINAL : Final Sınavı, Teslimi ve Jürisi / FINALS: Final Exams Final Submission and Final Jury		
20	30.06.2025	BÜTÜNLEME / COMPLETION	Ölçme ve Değerlendirme / Assessment and Evaluation	

Process

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Date	Task Description
17.02.2025	Introduction, Announcement of Design Topic and Location
20.02.2025	1. Map Production
	2. Map Updates
	3. Preliminary Research
24.02.2025	1. Printing of 1/2000, 1/1000, 1/5000 maps
	2. Research on historical walls and buildings
	3. Research at YÖK Thesis Center, Cibali
	4. Research on regulations and legislation related to dormitories
	5. Research on TSE, municipality, ministry, fire, earthquake, and accessibility regulations
	6. Precedents, TAKS, KAKS, h-max
27.02.2025	1. Site Visit to the Design Area
	2. Preparations: Determining the Visit Route
	3. Research on historical buildings in the vicinity of the study area, obtaining site and ground floor plans
	4. Information about the Cibali garden
	5. Noting initial impressions of the design area
	6. Noting 3 prominent concepts related to the design area
	7. Design Title (based on the concept)
	8. Noting the extended visit route
	9. Noting structures to be preserved
	10. Noting entrances and exits of passageways
	11. Noting slopes
3.03.2025	1. Design File (all research conducted, work plan, printed and digital)
	2. Classification of Architectural Photos (A4 printouts)
	3. Street Silhouettes from Photos at 1/500 (Yazar Orhan Kemal St., Salih Paşa Ave., Haraççı Garden St., Üsküplü Ave.)
	4. 1/5000 Site Plan
	5. Solid-Void Site Plan at 1/1000
	6. Discussion of analyses related to the 3 design concepts
	7. Design Period File (Creation of a file to store all research conducted during the period, printed and digital)
6.03.2025	1. Transferring Street Silhouettes to Drawings
	2. 1/1000 Slope Map
	3. Analyses related to the 3 concepts at 1/1000
	4. 1/1000 Site Plan: Identification of public, semi-public, and private spaces
	5. Identification of educational environment-related spaces at 1/1000
	6. 1/500 Site Plan: Roofs, trees, slope lines, streets adjusted to equal width, sidewalks
	7. 1/500: Four cross-sections intersecting the study area, surrounding structures in contour
10.03.2025	1. 1/500 Analog Model
	2. Conceptual Studies on the 1/500 Analog Model
	3. Conceptual Development and Design Decisions on the 1/500 Site Plan
	4. Conceptual Development and Design Decisions on the 1/500 Section
	5. Examples of Dormitory Designs
13.03.2025	1. Integration of Analyses and Concepts Using 1/500 Model, Site Plan, and Section Representations (response to environmental data)
	2. 10 Iterations on Sketch Paper at 1/500 (relationship with ground level, approach, gathering and dispersion on the site plan, publicness)
	3. Sketches on the 1/500 Model: 3 Alternatives
	4. 1/50: 1-person and 3-person dormitory room plan schemes (2 alternatives)
	5. Density (TAKS/KAKS) and Modular Coordination Analysis for 3 Alternatives on 1/500 Sketches
17.03.2025	1. Pinup: Comparison of Alternatives and Determination of Design Direction
	2. Digital Model of the Selected Alternative
20.03.2025	1. 1/500 Typical Floor Plans (entrances—main entrances, service entrances, parking entrances—horizontal and vertical circulations, structural axes)
	2. 1/500 Section Schemes
	3. Relationship of Ground and Upper Levels with the City: Transitions, Intermediate Spaces, Continuities, Interruptions
24.03.2025	1. 1/500 Plan Schemes: Ground Floor Usage (common spaces, social spaces, support units)
	2. 1/500 Plan Schemes: Usage of Open and Semi-Open Spaces
	3. 1/500 Section Schemes: Reflecting Urban Context and Atmosphere, Life
27.03.2025	1. 1/500 Plan Schemes: Expression of Support Units (entrances—main entrances, service entrances, parking entrances—horizontal and vertical circulations, structural axes)
	2. All Entrances as Preparation Spaces (entrance definition, void, main staircase relationships)
	3. Facade System Choices (bedroom sections, common spaces, support units, sun control, structural connections)

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		31.03.2025	Holiday	
Module 3 Design Review	7	3.04.2025	1. Design Development Process	
			2. Concept --> Design Name --> Analysis --> Integration of Concept and Analysis	
			3. Design Response to Environmental Inputs: Formal Agreement of Ground and Upper Levels with the City	
			4. Explanation of Design Stages with Digital Model	
			5. Functional and Formal Division	
	8	10.04.2025	1. Expression of Design Progress with 1/500 Analog Model and Diagrams	
			2. Building Masses, Built Environmental Context, Semi-Open Spaces, Green and Hard Surfaces, Trees	
			3. Layout and Graphics of Submission Panels	
			1. Analytical Processes (From Concept to Analysis)	
9	17.04.2025	2. Design Development: Design Decisions and Formal Processes		
		3. 1/500 Ground Floor, Typical Floor, and Support Unit Plan Schemes		
Module 4 Design in Progress	10	21.04.2025	4. 1/500 Sections: Contextual Relationships, Living Sections	
			5. Interior and Exterior Perspectives from Entrances (eye level, entrance preparation space, stairs, voids)	
			6. Diagrammatic Sections and Elevations Explaining Natural Lighting Decisions Based on Facade Orientations	
	11	28.04.2025	7. Fire Escape and Accessibility Schemes	
			8. 1/500 Analog Model	
			14.04.2025	Midterm Exam / Jury
	12	8.05.2025	17.04.2025	Post-Midterm
			21.04.2025	1. 1/200 Dormitory Blocks: Typical Floor Plan (Furnished)
			2. 1/200 Partial Model of Dormitory Building Entrance	
			3. 1/200 Dormitory Blocks: Ground Floor Plan (Furnished)	
			24.04.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished)
			2. 1/200 Sections	
28.04.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished)			
2. 1/200 Sections (Revision)				
3. 1/200 Elevations				
4. 1/200 Partial Model: Dormitory Blocks, Rooms, and Entrance				
1.05.2025	Labor and Solidarity Day (Holiday)			
5.05.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished) (Revision)			
2. 1/200 Sections (Revision)				
3. 1/200 Elevations (Revision)				
4. 1/200 Partial Model: Dormitory Blocks, Rooms, and Entrance (Revision)				
8.05.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished) (Revision)			
2. 1/200 Basement Floor Plans				
3. 1/200 Sections (Revision)				
4. 1/200 Elevations (Revision)				
5. 1/200 Partial Model: Dormitory Blocks, Rooms, and Entrance (Revision)				
6. Interior and Exterior Perspectives from Entrances (eye level, entrance preparation space, stairs, voids) (Revision)				

Module 5 Detailing and Representing the Design		Week	Date	Activities
13	12.05.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished) (Revision)		
		2. 1/200 Basement Floor Plans		
13	15.05.2025	3. 1/200 Sections (Revision)		
		4. 1/200 Elevations: Facade Measures for Sun Control		
14	19.05.2025	5. 1/200 Partial Model: Dormitory Blocks, Rooms, and Entrance (Revision)		
		6. Perspectives Explaining the Overall Project		
14	22.05.2025	1. 1/200 Dormitory Blocks, Common Spaces, Support Units: Ground Floor Plans (Furnished) (Revision)		
		2. 1/200 Basement Floor Plans (Revision)		
15	26.05.2025	3. 1/200 Sections (Revision)		
		4. 1/200 Elevations (Revision)		
15	29.05.2025	5. 1/200 Partial Model: Dormitory Blocks, Rooms, and Entrance (Revision)		
		6. Perspectives Explaining the Overall Project (Revision)		
16	2.06.2025	7. Interior and Exterior Perspectives from Entrances (eye level, entrance preparation space, stairs, voids) (Revision)		
		8. 1/20 System Details (Revision)		
17	12.06.2025	9. Updating 1/500 Site Plan, Plans, Sections, and Elevations to Scale		
		10. Design and Visualization of Submission Panels		
18	16.06.2025	11. Improvement and Revisions of 1/500 Analog Model and 1/200 Partial Model		
		Q&A		
20	30.06.2025	Final Jury		
		Completion Jury		