

Course Title	Code	Semester	Hour (T+P)	Credit	ECTS
DIPLOMA PROJECT	ARCH 402	8	4 + 4	6	12
Prerequisites	ARCH 401				
Language of Instruction	English				
Course Type (Required / elective)	Required				
Course Coordinator	Prof. Dr. İmre ÖZBEK EREN (imre.eren@marmara.edu.tr)				
Instructors / email	Prof. Dr. İmre ÖZBEK EREN (imre.eren@marmara.edu.tr), Assoc. Prof. Dr. Hikmet Selim ÖKEM (okemselim@gmail.com), Instructor, MSc Architect Fulya ELİYATKIN BAHÇECİ (eliyatkin@gmail.com), Instructor, MSc Architect Şerif SÜVEYDAN (serif@suveydan.com),				
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Goals	<p>ARCH 402 Diploma Project / MIM 402 <i>Diploma Projesi</i>, as the 8th semester's course in the Curriculum of the Marmara University, Faculty of Architecture and Design, School of Architecture, is the graduation project. The course prepares architecture students for the profession of architecture.</p> <p>In the diploma project course, the students are expected to go through a design process by adding the knowledge, experience, equipment and skills gained in all architectural education. While doing this, they are expected to make an architectural interpretation by evaluating the different scales and contexts of architecture from an interdisciplinary perspective.</p> <p>The Diploma Project is the last stage of the students' education and is a process in which the regular critical-discussion environments that are customary are diluted. It is aimed to develop skills of making architectural decisions with interim critiques (such as workshops, juries, seminars and sketch exams) organized within a certain calendar.</p>
Learning Outcomes	<ul style="list-style-type: none">• Ability to carry out an architectural design-project process individually and together with intermittent jury meetings, with all its complex dimensions.• To be able to define the problems and potentials of an urban fabric with different dimensions such as history, culture, topography.• To be able to develop an original architectural program and establish creative and mixed spatial relationships on a semi-structured, generally defined project brief.• To be able to define the relationship and contextual framework of architectural design with "place."• To provide a comprehensive integration of design knowledge between different scales, social and environmental impacts. And turning it into an architectural project,• Ability to interpret the architectural program using creative and complex relationships,• Ability to use various expression methods in all processes of architectural design (to express an idea, to represent it in 2D or 3D, etc.)
Course Content	<p style="text-align: center;">CONCEPTUAL FRAMEWORK, CONTEXT AND PROGRAM:</p> <p style="text-align: center;">A SETTLEMENT BASED ON A HOUSING & COMMUNITY CENTER</p> <p>The project problematizes designing a living/residential area in İstanbul, organized around a housing and community centre.</p> <p>Housing, rather than being a building typology, points to a fundamental architectural, planning problematic and social oriented life, not only in İstanbul but also in all cities under the influence of global dynamics.</p>

The project aims to discuss how to interpret a 'housing' program together with a 'community/neighbourhood centre' in a metropolis like Istanbul, in an era of large-scale and natural disasters such as epidemics, earthquakes, ecological or economic crises, and a rapidly changing physical and social environment.

Based on this general approach, the student is expected to elaborate the subject, deepen around a specific theme such as social housing, community centre, neighbourhood design, social and ecological sustainability... The students should define his/her design concept.

In this line, the context of the project includes a holistic approach, starting from the city scale, in which different dynamics such as planning, urban policies, transformation, migration, socio-economic changes are included in the thinking process, and design decisions are refined to detailed scales of an architectural project. In the project, it is important to communicate how the coexistence and transition of macro and micro scales is achieved, and how the analysis in urban scale is reflected to architectural design and space. It is crucial for the student to define the architectural context together with the stated problematic.

Two sites are given to develop architectural design proposals and the choice is up to the students. Both sites and themes have equivalent qualities in the evaluation. In their design approaches, students are expected to explore the specified themes and interpret them together with the potentials of the "place".

Program and Content:

It is expected that the organization of the programmatic components will provide answers to urban dynamics and correlate with each other spatially. The basic spatial elements of the architectural program for both areas are summarized below. The students are expected to develop their architectural design accordingly, to define the relationship of the program with the themes and the 'site,' and to elaborate their projects by establishing a contextual framework.

Urban design/planning:

- Strategic decisions and urban/spatial/architectural approaches in which economic-political, socio-cultural etc. relations are set up with the site, its close surroundings and the rest of the city.

Housing units:

- 'Housing' unit types developed according to the scenarios which concern the spatial qualities, spatial sizes, and user profiles, and designed considering the whole relationships
- How do the temporal factors, such as being the owner of the house or being a tenant, effect the housing type and spatial organization
- Housing units that are designed according to the themes (social housing, co-existence, co-living, social sustainability, ecological approaches, etc.) going beyond common expectations
- Design of urban spaces, open and closed spaces (houses, common spaces, public spaces)
- The relations with the public space / community centre/ neighbourhood centre / common living spaces
- To discuss the relationships of structural system/structural elements/building envelope with the scenario and architectural design

Public space / Community centre / Neighbourhood centre / Common living space:

- Spaces that define a certain user group and their activities, depending on the scenario
- Shared/common spaces, spaces that will nurture the coexistence and community living scenarios and respond to public needs. (Work and production spaces depending on the scenario)
- Spaces designed for social benefits (assembly areas/production & working spaces)

- Open /semi open/ closed event spaces
- Spaces that will respond to public needs fostering community and coexistence of publicity
- Commercial activities, controlling the economic setup - housing balance

Technical spaces:

- Warehouses, archives, technical maintenance/repair spaces, and wet areas, ..etc. that will serve for the common spaces
- Parking spaces, utility rooms, shelter etc.
- Service connections and entrances if commercial spaces are included.

General principles:

- The balance and density of open and closed spaces in the selected site should be taken into consideration. The zoning law / legislation rules in the region should be controlled, and the density in the proposed project should be critically analysed. It should be defined how the open spaces developed will be used and how they are associated with the architectural and urban design should be explained.
- The history of the site, the material data such as climate, orientation, and topography should be closely inspected.
- Today's common principles and approaches such as accessibility, ecology, public space, sustainability and participation, which are closely related to architecture, should be considered,
- In the scenario, the number of people that are going to be accommodated should be clear,
- Economic sustainability and urban regeneration/transformation approaches and scenarios of short, middle, long term periods such as 20-40-100 years should be developed.

Project sites: It is located within the boundaries of Osmaniye and Kartaltepe neighborhoods, and **the west** of the Hippodrome and Aksu Street.



In this context, for both sites of Zeytinburnu, examining the relations with the historical, natural and cultural environment as well as with current urban dynamics in the means of qualities of publicity, and investigating possible urban reflections of the proposed architectural intervention are crucial for the scope of the diploma project.

Assessment Criteria

MIDTERM GRADE (Semester/in-the semester-evaluation): The total score obtained with the contribution of the following components at the specified rates is the MIDTERM EXAM: Meeting 1: Q&A (5% with written text sent) + Meeting 2: Jury 1 (30%) + Meeting 3: Intermediate Meeting (participation optional 0%) + Seminar Reports (15%) + Meeting 4: Jury 2 (50%)	%40
FINAL EXAM GRADE (Semester/final-exam-grade): The total score obtained with the contribution of the following components at the specified rates is the FINAL EXAM Meeting 5: Jury 3 (40%) + Meeting 6: Interim Meeting (attendance optional 0%) + Sketch Exam (5%) + Meeting 7: Final Jury (55% - It is mandatory to get at least 50 (fifty points) from the Final Jury in order to pass the course)	%60
FINAL GRADE= MIDTERM EXAM GRADE (Semester/in-year evaluation) 40%+ FINAL EXAM GRADE (Semester/final-exam-grade): 60%= FINAL (SUCCESS) GRADE 100%	%100

Due to the disaster situation in Turkey, the academic calendar and the operating method of the exams may be updated in the coming days. Please follow the updates.

CALENDAR			
WEEKS	DATE	TOPICS	PLACE
		Spring Term	
WEEK 1	27.02.2023	Announcement of 2022 – 2023 Diploma Project Subject	
	02.03.2023		
WEEK 2	06.03.2023		
	09.03.2023	Meeting 1: Q&A ¹	Online-13:00-17:30 (Recorded)
WEEK 3	13.03.2023	Seminar ²	Online
	16.03.2023		
WEEK 4	20.03.2023		
	23.03.2023		
WEEK 5	27.03.2023		
	30.03.2023	Seminar ³	To be announced.
WEEK 6	03.04.2023	Meeting 2: Jury ⁴	To be announced.
	06.04.2023		
WEEK 7	10.04.2023		
	13.04.2023	Meeting 3: Intermediate Meeting ⁵	Online, recorded, to be announced.

¹ Participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)
² Participation is mandatory. Please see Explanations-Requested Section for other rules. All the dates could be revised according to the program of the invited professionals.
³ Participation is mandatory. Please see Explanations-Requested Section for other rules.
⁴ Participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)
⁵ Participation is optional. (It will be held in the form of meeting with the professors of the department, the meeting will be recorded.)

WEEK 8	17.04.2023		
	20.04.2023	Ramazan Bayramı	
WEEK 9	24.04.2023		
	27.04.2023		
	MIDTERM WEEK- 02.05.2023 - 07.05.2023 04.05.2023 Thursday / Meeting 4: Jury 2⁶ (Submission deadline is one day before jury day (03 May 2023) and will be announced with midterm-exam schedule.)		To be announced.
WEEK10	08.05.2023		
	11.05.2023		
WEEK11	15.05.2023		
	18.05.2023		
WEEK12	22.05.2023		
	25.05.2023	Meeting 5: Jury 3⁷	To be announced.
WEEK13	29.05.2023	Meeting 5: Jury 3⁸	To be announced.
	01.06.2023		
WEEK14	05.06.2023	Meeting 6: Intermediate Meeting ⁹	Online (will be recorded)
	08.06.2023	Sketch Exam¹⁰	To be announced.
		DERS DÖNEMİ BİTİŞİ	
	(FINAL EXAMS 12.06.2023 - 25.06.2023) 15.06. 2023 Meeting 7: Final Jury¹¹ (Submission deadline is one day before jury day and will be announced with midterm-exam schedule.)		To be announced.

SUGGESTED SOURCES:

Sources in Turkish:

- Akpınar, İ. (2010). Osmanlı başkentinden küreselleşen İstanbul'a: Mimarlık ve kent, 1910-2010. İstanbul: Osmanlı Bankası Arşiv ve Araştırma Merkezi.
- Arkan, B., Kentsel Mekânın Değişimi ve Konut Dokusunda Katmanlaşma: Feneryolu Mahallesi Örneği, İTÜ FBE Yüksek Lisans Tezi, 2013.
- Balamir, A., "Mimarlık Ve Kimlik Temrinleri- I: Türkiye'de Modern Yapı Kültürünün Bir Profili", MİMARLIK Dergisi, Sayı: 303, 2003.
- Barutçular, T., Dostoğlu, N. (2019). Üst Gelir Grubu Konutlarda Kullanıcı Memnuniyetinin Aidiyet Üzerinden İncelenmesi: Ataköy Örneği [An Analysis Of User Satisfaction In Relation With Sense Of Belonging In High Income Housing: Ataköy Case], MEGARON, 14, 39-52
- Bilgin, İ. (1995). Modernleşmenin Şehirdeki İzleri. Defter, 23.
- Habermas, J., Kamusalın Yapısal Dönüşümü, Çev. T. Bora, M. Sancar, İstanbul: İletişim Yayınları 2003.
- Keyder, Ç., "Arka Plan", İstanbul, Küresel ile Yerel Arasında, İstanbul: Metis Yayıncılık, 2009, S:9-40.
- Kuban, D. İstanbul Yazıları, İstanbul: Yapı Endüstri Merkezi Yayınları, 1998,
- Sennett, R. (2020). Beraber. İstanbul: Ayrıntı Yayınları.
- Stavrides, Stavros. 2018. Müşterek Mekân: Müşterekler Olarak Şehir. İstanbul: Sel
- Tekeli, İ., Yerleşmeler İçin Temsil Sorunları ve Strateji Önerileri, Ankara: İdealkent Yayınları, 2016.

⁶ Midterm jury, participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)

⁷ Participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)

⁸ Participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)

⁹ Participation is optional. (It will be held in the form of meeting with the professors of the department, the meeting will be recorded.) Conservation, structure, urban design/landscape will be criticized.

¹⁰ All day. (09.00-16.30) Participation is mandatory. Please see Explanations-Requested Section for other rules.

¹¹ Final jury, participation is mandatory. Please see Explanations-Requested Section for other rules. (The Diploma Project juries will be held with all Jury Members.)

- Tekeli, İ., "Türkiye'de Cumhuriyet Döneminde Kentsel Gelişme ve Kent Planlaması", 75 Yılda Değişen Kent ve Mimarlık, İstanbul: Tarih Vakfı Yayınları 1998, S: 1-24

Sources in English:

- Bonaiuto, M., Fornara, F. 2017. "Residential Satisfaction And Perceived Urban Quality" Reference Module İn Neuroscience And Biobehavioral Psychology, 1-5.
- Davis, Mike. 2006. Planet of Slums. Verso.
- Derviş, P., Tanju B., Tanyeli, U. (2008) Becoming İstanbul. An encyclopedia. İstanbul: Garanti Gallery.
- Enlil, Z., "The Neoliberal Agenda And The Changing Urban Form Of İstanbul", *International Planning Studies*, Vol. 16, No. 1, 2011, S: 5-25.
- Frampton, K. (1983). Towards a Critical Regionalism: Six Points for an Architecture of Resistance. In Foster, H.(ed.), *The Anti-aesthetic: Essays on Post-modern Culture*.
- Heidegger, Martin. 1971. 'Building, Dwelling, Thinking.' In *Poetry, Language, Thought*, translated by Albert Hofstadter, Harper Colophon Books, New York, 1971. Link: https://www.contentarchive.wwf.gr/images/pdfs/pe/katoikein/Filosofia_Building%20Dwelling%20Thinking.pdf
- Mee Kam Ng. 2015. 'Knowledge and power in regenerating lived space in Treasure Hill, Taipei 1960s-2010: from squatter settlement to a co-living artist village.' *Planning Perspectives*, 30:2, 253-270, DOI: 10.1080/02665433.2014.934711
- Tummers, Lidewij. 2015. 'Understanding co-housing from a planning perspective: why and how?' *Urban Research & Practice*, 8:1, 64-78, DOI: 10.1080/17535069.2015.1011427.

Web sources and possible case studies:

- Co-Residence: Habiter en Grand - STAR Link: https://www.youtube.com/watch?v=p-FDn6p9dq0&list=PL0QGmTA8eKD_ZouU4NEm4GSul-86R1_Nq
- Celosia - MDVRD+Blanca Lleó
- Lake Shore Drive Apartments (Chicago) - Mies Van Der Rohe
- Unite d'Habitation - Le Corbusier
- Siedlung - Bruno Taut, Martin Wagne
- Quinta Monroy Housing (Chile) - Elemental
- Ankara Hukukçular Sitesi - Haluk Baysal
- Cinnah 19 (Ankara) - Nejat Ersin
- Mısır Apartmanı (İstanbul) - Hovsep Aznavur
- Saraçoğlu Mahallesi (Ankara) - Paul Bonatz
- Quinta Monroy Housing in Chile - Alejandro Aravena
- http://sivilmimaribellekankara.com/proje_ciktilari.html
- <https://www.mosaicvillage.org/helpful-links>

ECTS / WORKING HOUR TABLE

Activities	Number of Weeks	Duration (Hour)	Working Hours
Duration of Course (Including Exams: 15 x Total Weekly Course Hour):	15	8	120
Extracurricular Working Hour (Seminar Attendance, Preparatory Work, Review Assignments, Internet Studies, etc.)	15	8	120
Submissions	12	4	48
Midterm	2	12	14
Final exam	2	24	48
Working Hours in Total			360
Working Hours in Total / 30			360 / 30
ECTS			12

Submission Procedure for All Juries

- Unless otherwise announced, the jury start time is 13.30. The submission/digital upload time is between 20.00-22.00 the day before the jury. All documents/sheets must also be 'fitted' in a file in A3 format and uploaded separately as a '.pdf' file as a copy.

- All original size documents/sheets must be A1 and portrait, suitable for hanging/viewing. All documents/sheets must match the pads provided. (Subtitles: https://1drv.ms/u/s!Alqna9IDdqldkK44eM_zuqLf_7asBA?e=uXDD1e)
- Students who have an official excuse/report (covid etc.) must submit their submissions within two days following the end of the report. For this reason, students with an official excuse/report should contact the research assistants as soon as they receive a report. This situation does not apply to midterm and final submissions, the regulations throughout the University are complied with.
- All students must present their projects orally and explain the questions of the jury
- **Late submissions will not be accepted.**

All these procedures will be revised in case face-to-face education is started, depending on the announcement to be made by YÖK in April. It is the student's responsibility to follow all announcements and updates.

EXPLANATIONS (there could be revisions)

Meeting 1: Q&A

After the announcement of the diploma project and the calendar on the website, questions must be sent to the Jury in WRITTEN form via E-MAIL until 23:00 on **05.03.2023 Sunday**.

On the day of the meeting, the jury will answer the questions based on these e-mails. Spontaneous discussions and questions will also be possible during the meeting.

All questions must be sent in the written form to the e-mail address below. Apart from this, questions / messages sent to personal e-mail addresses of the jury members or other accounts will be deemed invalid. marun.diploma@gmail.com

Meeting 2: Jury 1

- 1/5000, 1/2000, 1/1000 contextual/urban analyses and diagrams (Current situation, close environment relations, social and cultural character of the region, microclimate, urban transportation relations, public spaces, urban and natural landscape elements and problems of the area. – studies examining their potential)

- Studies on how **a housing project is envisioned in the site**, concept presentation of the detailed program, presentation of the design approach with diagrams. Draft ideas for 1/2000, 1/1000 proposal design (program development, case study, context-design relations, presentation of proposals, etc.)

- **Physical model** (1/1000 and/or 1/500; it is recommended to make models in more than one scale, working with the area and its close surroundings, neighbouring buildings, roads, topography.)

- Additional studies (3D model, research, etc.)

Meeting 3: Intermediate Meeting

Students will meet online with the faculty members of the Department of Architecture. Meetings will be recorded to be shared with other Jury members if necessary. It is an environment where students can discuss the subjects they want to consult, and evaluations/seminars will be held in areas of expertise such as study area, conservation, structure, urban design/landscape. It is not a part of the jury.

Meeting 4: Jury 2 (Midterm Jury)

URBAN ANALYSIS: UNDERSTANDING THE PROJECT AND THE AREA

- Contextual/Urban analyses and diagrams (The current situation, inner circle relations, the social and cultural character of the region, microclimate, urban transport relations, public spaces, urban and natural landscape elements and studies examining the problems and potentials of the field) Might be in 1/5000, 1/2000, 1/1000 scales.

THE RELATIONS BETWEEN URBAN ANALYSES AND CONCEPT PROJECT

- Studies on how **a housing project is envisioned in the site**, concept presentation of the detailed program, presentation of the design approach with diagrams. Draft ideas for 1/2000, 1/1000 proposal design (program development, case study, context-design relations, presentation of proposals, etc.)
- Productions explaining the relationship between analysis and idea, studies and drawings explaining the evolution of field studies into concept ideas.
- Description of the program/ reasoned introduction (functions, dimensions, capacities, etc.)
- 1/5000, 1/2000, 1/1000 analyses, environmental relations, the decision on the access/approach to the project area that is, the site plan and the inner circle decisions

CONCEPT /PRELIMINARY PROJECT

- 1/2000, 1/1000 Site plan and silhouettes with urban decisions (public spaces, accessibility for pedestrians/vehicles, transport, density, should include the proposed relationships between the urban context and the project area through the publicity)
- 1/1000, 1/500 urban silhouettes and site sections (Urban silhouettes, should include landscape and architectural design decisions, spatial suggestions)
- **Physical model** (1/1000 and/or 1/500; it is recommended to make models in more than one scale, working with the area and its close surroundings, neighbouring buildings, roads, topography.)
- 1/500 site plan (must include architectural and landscape decisions related to the immediate environment and land access decisions)
- 1/500 sections, elevations, silhouettes (all surrounding structures/urban texture/environment should be included)
- 1/200 ground floor plan

3D WORKS

- Ideas, drawings, 3D models, perspectives explaining the architectural design idea.

Meeting 5: Jury 3

ANALYSIS – URBAN ENVIRONMENT AND DESIGN INTERRELATIONSHIP

- 1/5000, 1/2000 works explaining the interrelation between analyses and architectural design idea.
- Works explaining the decided architectural program (functions, capacities, areas, etc)

ARCHITECTURAL DESIGN PROJECT

- 1/1000 site plan decisions (including the things below)
 - Site plan
 - Access to the building(s)/building masses (pedestrian, vehicle, service connections, disabled etc.),
 - Urban landscape design decisions
 - The linkages and connections between the masses
 - Links to nearby landmarks
- 1/1000 silhouettes and sections cutting the site (at least two sections and silhouettes)
- **Physical model** (1/1000 and/or 1/500; it is recommended to make models in more than one scale, working with the area and its close surroundings, neighbouring buildings, roads, topography.)
- 1/500 (in a way that explains the immediate environment and all connections) ground level plan
- 1/500 (in a way that explains the immediate environment and all connections) 2 sections
- 1/500 (in a way that explains the immediate environment and all connections) silhouettes and elevations
- 1/200 ground level plan and all level/floor plans
- 1/200 sections (as many as needed and all surrounding structures/urban texture/connections should be included)
- 1/200 elevations (as many as needed and all surrounding structures/urban texture/connections should be included)

ARCHITECTURAL DETAILS

Material predictions, detail investigations, sketches...

3D IMAGES

- Ideas, drawings, 3D models, perspectives explaining the architectural design idea.

Meeting 6: Intermediate Meeting

Students will meet online with the faculty members of the Department of Architecture. Meetings will be recorded to be shared with other Jury members if necessary. It is an environment where students can discuss the subjects they want to consult, and evaluations/seminars will be held in areas of expertise such as study area, conservation, structure, urban design/landscape. It is not a part of the jury.

Meeting 7: Final Jury

ANALYSIS – URBAN ENVIRONMENT AND DESIGN INTERRELATIONSHIP

- 1/5000, 1/2000 works explaining the interrelation between analyses and architectural design idea.
- Works explaining architectural program (functions, capacities, areas, etc)

ARCHITECTURAL DESIGN PROJECT CONCEPT

A poster with a 300-word text and drawings explaining the analysis of the project site and the main idea of the architectural design developed accordingly.

ARCHITECTURAL DESIGN PROJECT

- 1/1000 site plan decisions (including the things below)
 - Site plan
 - Access to the building(s)/building masses (pedestrian, vehicle, service connections, disabled etc.),
 - Urban landscape design decisions
 - The linkages and connections between the masses
 - Links to nearby landmarks
- 1/1000 silhouettes and sections cutting the site (at least two sections and silhouettes)
- **Physical model** (1/1000 and/or 1/500; it is recommended to make models in more than one scale, working with the area and its close surroundings, neighbouring buildings, roads, topography.)
- 1/500 (in a way that explains the immediate environment and all connections) ground level plan
- 1/500 (in a way that explains the immediate environment and all connections) 2 sections
- 1/500 (in a way that explains the immediate environment and all connections) silhouettes and elevations
- 1/200 ground level plan and all level/floor plans
- 1/200 sections (as many as needed and all surrounding structures/urban texture/connections should be included)
- 1/200 elevations (as many as needed and all surrounding structures/urban texture/connections should be included)

1/50 SYSTEM DETAIL

Partial plan and section (from foundation to the roof), elevation taken from the ground level which explains architectural design decisions best.

3D IMAGES

- Ideas, drawings, 3D models, perspectives explaining the architectural design idea.

ARCHIVE AND EXHIBITION POSTER

A poster explaining the project in a single sheet (A0, vertical and digital)

SKETCH EXAM

The sketch exam will last all day and the study subject will be given on the day of the exam. Submission and exam conditions will be announced.

SEMINARS

Seminars are activities in order to support students throughout the Diploma Project process. Students must attend seminars. After the end of all seminars, an abstract of approximately 300 words must be submitted within the following 3 days. Plagiarism check is going to be done.