

istanbul technical university
architecture faculty, department of architecture

2019-2020 spring semester
graduation project

B jury

ÜSKÜDAR ATATÜRK CITY LIBRARY

1. SUBJECT AND PLACE OF GRADUATION PROJECT

Globalization, developments in information and communication technologies change all processes related to the production, protection and use of information along with the definition of information. Classical librarianship, which is perceived as the collection, protection and storage of information, is developing with contemporary approaches. The main purpose of the Üsküdar Atatürk City Library is to increase the accessibility and sharing of information by creating a library usage habit in the district and its vicinity, and to reconstruct the understanding of librarianship with new information technologies.

On the one hand, the new library is expected to continue its traditional memory accumulation role, on the other hand, to become an active actor of information production in the city and to become a focal point in the life of the Üsküdar district. The spatial relationships that the project will establish with the historical and contemporary architectural elements in the surrounding urban fabric are considered important.

2. GRADUATION PROJECT JURY MEMBERS

Prof. Dr. Sinan Mert Şener
Assoc. Prof. Dr. Tan Kamil GÜNER
Res. Assist. Oğuz Orkun Doma
Res. Assist. Oya Yeşim Armağan

Prof. Dr. Gül Koçlar Oral
Prof. Dr. Necdet Torunbalcı
Assoc. Prof. Dr. Özhan Ertekin
Assist. Prof. Dr. Faruk Tuncer (YTÜ)
M.Arch. Yavuz Selim Sepin

3. PURPOSE AND SCOPE OF GRADUATION PROJECT

The aim of the Graduation Project is to present a study which proves the student has sufficient knowledge and development in all areas of education and training in the Department of Architecture and he or she has achieved the desired professional competence. At the same time, the student's education is to be further developed through criticism at this last stage.

Although the main feature of the Graduation Project is to research and analysis within certain limits, it is also a project that results in an architectural product.

4. EXECUTION AND EVALUATION OF THE GRADUATION PROJECT

This homework consists of four stages: project, midterm jury sessions, semester sketch and final jury session.

- **Project:**

The project will be developed by the student in accordance with the given program and other conditions and will be the product of his / her own thoughts and efforts.

- **Midterm Jury sessions:**

The student will present the project which is preparing for the review and opinion of the jury, on the specified dates. In these presentations, drawings and other documents requested from the student will be brought in complete and the criticisms and suggestions will be made to the student's project by the jury members.

Students are required to attend the midterm jury sessions which have an important place in the process and contribute to their success. Students will enter the jury sessions with the sequence number to be determined. (Those who do not come during the course will be considered to have lost their rights.) Students are required to attend the midterm-jury sessions from beginning to the end.

The required project, document, model, etc. for the midterm jury sessions will be delivered at the specified place and time, one day before the jury sessions; all works will be exhibited at the same time during the jury session and the jury will be held with the participation of all students. All students are expected to follow each other's juries, which is a prerequisite for mutual interaction and data sharing.

- **Semester Sketch Exam:**

This is an important stage of the Graduation Project. The aim is to test the student's ability to design with own effort within a certain period of time. It is compulsory to enter the sketch exam.

- **Final Jury Session:**

The student briefly introduces his / her project to the jury to explain the points that are not understood. In addition, the jury may ask the student a variety of questions in order to understand his / her views and ideas about general architectural issues outside of his / her project.

The final overall achievement assessment will be carried out in the form of evaluating all four stages described above, namely the project, midterm and final jury sessions and the final sketch together, and the result will be determined according to these assessments. The project should not be seen as an evaluation document alone. If the student doesn't participate in any of these stages may be a cause of failure. The jury conducts all meetings by absolute majority and takes its decisions by majority vote of the members present in the meeting.

5. SCHEDULE

Date		Time	Place
18 Sep. 19 Wednesday	Distribution of Graduation Project Subjects	13.30	3402
25 Sep. 19 Wednesday	End of Written Questioning	18.00	Student Administration.
27 Sep. 19 Friday	The Date of Written Answers	13.30	Student Administration.
15 Oct. 19 Tuesday	Submission of First Midterm Jury Documents	16.00-18.00	3402
16 Oct. 19 Wed.	First Midterm Jury	09.30	3402
19 Nov. 19 Tuesday	Submission of Second Midterm Jury Documents	16.00-18.00	3402
20 Nov. 19 Wed.	Second Midterm Jury	09.30	3402
27 Nov. 19 Wed.	Sketch Exam	09.30-18.00	3402
17 Dec. 19 Tue.	Submission of Third Midterm Jury Documents	16.00-18.00	3402
18 Dec. 19 Wed.	Third Midterm Jury	09.30	3402
14 Jan. 20 Tue.	Submission of Final Jury Documents	16.00-18.00	3402
23 Jan. 20 Thu.	Final Jury	09.30	3402

6. DOCUMENTS TO BE GIVEN TO STUDENTS

- Graduation Project file
- 1/1000 scale site plan including model limits

7. REQUIREMENTS FROM STUDENTS IN JURY EVALUATIONS

In the Graduation Project, a comprehensive study is expected from urban scale to architectural details. Since the first jury session, students will begin to study with perspectives, animations, models, plan solutions, etc. then the final product will be prepared by deepening these studies in the 2nd and 3rd jury sessions.

At the jury sessions, students are required to be ready with their presentations at 09:00. At 09:30, all projects must be ready for the jury critique. Students who are not present on time without an acceptable excuse may not be able to attend the jury evaluation.

• Requirements in First Jury Session.

In this graduation project, students are expected to design a city library in Üsküdar in Istanbul. The design proposals are expected to cover sustainability and accessibility design issues.

In the first midterm jury, students are expected to develop their analysis and architectural interpretations related to urban context, spatial attitude related to the project subject, operational scenarios created in this context, and especially the architectural program proposal and the first suggestions explaining all of

these relations with existing environmental data. Any kind of two- and three-dimensional representation tool can be used to express the spatial interpretations of the project's relationship with the city, the conceptual fiction related to the subject, and the library architecture program that is specifically intended to be developed (graphic expressions, conceptual plans and sections, sketches models, collages, sketches).

- A report detailing the conceptual design approach and the developed program scenario (approx. 500 words, printed on A4, can be partly included on a poster),
- Concept and design approach,
- Diagrams and graphs of scenario,
- Analyses:
 - » Relationship with the urban-historical context
 - » Transportation network
 - » Climate and environmental characteristics (local data)
 - » Analysis of site use according to extracted local data
 - » Volumetric analyses (considering environmental data)
- 1:1000 masterplan,
- 1:500 site plan and sections,
- 1:500 2D/3D design proposals (considering form and program),
- Digital 3D model of the site (with nearby buildings and roads),
- 1:1000 model,
- A3 prints of all submitted posters, binded or stapled,
- Photos of the model with conceptual proposal (printed on A3),
- The Sketchbook.

All plan, cross-sectional and elevation drawings should be made with the immediate surroundings. Sheet material (paper, cardboard, poster printing, etc.), expression technique (black and white, color, computer printing, free hand expression, etc.) are free. The layout size is determined to use A1 and its multiples vertically. In addition, A3 copies of the sheets will be delivered.

Model: Showing relations with the city; to express ideas about architectural, spatial formation, or structural detail in the design thought including the conceptual approach; 1/500 scale.

- **Requirements in Second Jury Session.**

In the second midterm jury, students are expected to answer the basic questions posed by the first midterm jury by considering the critics, conclude their decisions about the scenario and develop their ideas and productions to the scale of architecture. At this stage, it is desired that the possible architectural suggestions regarding spatial forming and functional distribution on the scales ranging from material use to construction technology become legible.

- Revised concept and design approach,
- Design proposal developed based on the previous analyses,
- 1:1000 masterplan,
- 1:500 site plan and sections,
- Spatial organization schemes in 2D/3D (cores, service areas, etc.),
- 1:500 plans - sections – elevations,
- 1:500 ground level plan/s showing the relationship with the context and landscape,
- Digital 3D model of the designed buildings on the site,
- Drawings and representations detailing structural system, materials and construction technologies,
- Descriptions of the sustainability aspects (environmental + architectural),
- 1:1000 model (topography + roads + buildings) and 1:500 model (building with the close environment),
- A3 prints of all submitted posters, binded or stapled,
- Photos of the model with design proposal (printed on A3),
- The Sketchbook.

In all juries, the total time that can be allocated to one student is approximately 15 minutes. This period includes the jury's critics. It is recommended that students prepare their oral and printed presentations considering this situation. It is important that the printed presentations are as clear, readable and of graphic and visual quality as they can be perceived from a distance. Preparing for effective, systematic and fluent expression of ideas in oral presentations will be beneficial for maximizing the efficiency of jury sessions.

- **Requirements in Third Jury Session.**

The presentation of advanced design decisions as architectural products in the third midterm jury, development and maturation of each production requested in the previous jury, accessibility, fire etc. issues within the scope of relevant regulations.

- Revised design approach / Concepts + Analyses (1 poster),
- 1:1000 masterplan,
- 1:500 site plan and sections
- 1:200 plan/s (ground level showing the relationship with the context and the spatial layout)
- 1:200 sections and elevations
- Digital 3D model of the designed buildings on the site
- Drawings and representations detailing structural system, materials and construction technologies
- Descriptions of the sustainability aspects (environmental + architectural)
- 1:50 system detail
- Rendered 3D images / Perspectives
- 1:1000 and 1:500 models
- A3 prints of all submitted posters, binded or stapled
- Photos of the site model with design proposal (printed on A3)
- The Sketchbook

All plan, cross-sectional and appearance drawings should be made with the immediate surroundings. Sheet material (paper, cardboard, poster printing, etc.), expression technique (black and white, color, computer printing, free hand expression, etc.) are free. The layout size is determined as A1. In addition, A3 copies of the sheets will be delivered.

- **Requirements for Submission of Graduation Project.**

The final project should be matured in all aspects at the submission stage and the expression / representation tools that emphasize the qualities that make the project distinctive should be developed. Graduation Project will be delivered as sheets prepared in A1 format. In addition, A3 copies of the project will be prepared. Digital copies of all materials used in the project will be recorded on a CD / DVD and delivered. In addition, an architectural explanation report not exceeding 500 words will be prepared.

- Revised design approach / Concepts + Analyses (1 poster) 1:1000 masterplan,
- 1:500 site plan and sections,
- 1:500 plans - sections – elevations,
- 1:200 plan/s (ground level showing the relationship with the context and the spatial layout),
- 1:200 sections, and elevations,
- Digital 3D model of the designed buildings on the site,
- Drawings and representations detailing structural system, materials and construction technologies,
- Descriptions of the sustainability aspects (environmental + architectural),
- 1:50 system detail,
- Rendered 3D images / Perspectives,
- 1:1000 and 1:500 site models,
- A3 prints of all submitted posters, binded or stapled,
- Photos of the site model with design proposal (printed on A3),
- The Sketchbook,
- Softcopy of all submitted materials in a CD/DVD, labeled with your name A report detailing the design (approx. 500 words, printed on A4)

8. REPRESENTATION PRINCIPLES

Presentation boards should be at A1 size. To create bigger layouts, A1 boards can be juxtaposed. Orientation of the boards must be consistent, either portrait or landscape. The paper types, the drawing methods, the use of manual techniques-CAD-CAM, the model techniques, and the use of colors are up to the students. Any presentation techniques or extra materials are allowed as long as above given requirements are met.

A1 posters should be submitted on cardboards, not in rolls, and clipped allowing them to stand alone. A3 prints of each poster will be submitted on each jury. The ground level's layouts must include the close landscape of the building. If necessary, all level layouts should show the related physical environment (traces of the buildings below, roads, site plan, etc.) Students must use a sketchbook during the design process, and it should be presented in all juries.

9. ARCHITECTURAL BRIEF AND PROGRAM

The following program outlines the purpose of the building. Reinterpreting the structural program, constructing spatial relations are seen as an important stage of design. It is expected that the structural program will be developed and finalized in line with the main ideas and general approaches of the designers.

Considering the physical characteristics and functions of the spaces, an advanced technological infrastructure and the use of digital technologies should be taken into consideration. It should be considered that the structure can adapt to changes in time in terms of functional and spatial fiction. It should be aimed to be a building that allows usage changes within a certain dynamism, not as a long-term constant equivalent of a rigid and fixed program.

1. ENTRANCE	<u>427 m²</u>
<input type="checkbox"/> Entry hole / waiting area	160 m ²
<input type="checkbox"/> Information / Back Office	50 m ²
<input type="checkbox"/> Service Entry	16 m ²
<input type="checkbox"/> Cloakroom / Lockers	65 m ²
<input type="checkbox"/> Security Room	24 m ²
<input type="checkbox"/> Shop	64 m ²
<input type="checkbox"/> Technical Office	48 m ²
2. HALLS	<u>2208 m²</u>
<input type="checkbox"/> Library Entry Hall	160 m ²
<input type="checkbox"/> General Reading Hall	940 m ²
<input type="checkbox"/> Newspaper Reading Hall	128 m ²
<input type="checkbox"/> Journal Reading Hall	328 m ²
<input type="checkbox"/> Child Library and Working Area (5-9 age)	300 m ²
<input type="checkbox"/> Teen Library and Working Area (9-16 age)	200 m ²
<input type="checkbox"/> Group Working	96 m ²
<input type="checkbox"/> Audio Visual Hall	56 m ²
3. READER SERVICES (Direct Relation with the reading halls)	<u>232 m²</u>
<input type="checkbox"/> Management, Coordination and Front Office	40 m ²
<input type="checkbox"/> International Affairs	32 m ²
<input type="checkbox"/> Reference Services	64 m ²
<input type="checkbox"/> Information Preparation and Presentation	32 m ²
<input type="checkbox"/> Photocopy, Digital Presentation and Printing	64 m ²
4. DOCUMENTATION SERVICES	<u>216 m²</u>
<input type="checkbox"/> Journal Documentation Office (4 room)	96 m ²
<input type="checkbox"/> Newspaper Documentation Office	32 m ²
<input type="checkbox"/> Protocol Offices (2 room)	48 m ²
<input type="checkbox"/> Biography and chronological documentation Office	40 m ²

5. LIBRARY MANAGEMENT	<u>216 m²</u>
<input type="checkbox"/> Manager	32 m ²
<input type="checkbox"/> Assistant Manager(2 room)	48 m ²
<input type="checkbox"/> Secretary	16 m ²
<input type="checkbox"/> Secretary (for Asist. Mng.)	16 m ²
<input type="checkbox"/> Correspondence Office	16 m ²
<input type="checkbox"/> Archive (Related with Correspondence Office)	16 m ²
<input type="checkbox"/> Utility maid room (2 room)	48 m ²
<input type="checkbox"/> Storage	24 m ²
6. TECHNICAL SERVICES	<u>520 m²</u>
<input type="checkbox"/> Collection Management and Provision	40 m ²
<input type="checkbox"/> Periodicals Office	32 m ²
<input type="checkbox"/> Periodicals Storage	64 m ²
<input type="checkbox"/> Cataloging	96 m ²
<input type="checkbox"/> Binding office	24 m ²
<input type="checkbox"/> Binding Atelier	96 m ²
<input type="checkbox"/> Digital copying, multimedia, microfilm bureau	24 m ²
<input type="checkbox"/> Digital copying, multimedia, microfilm workshop	96 m ²
<input type="checkbox"/> Library automation unit	48 m ²
7. RESEARCH DEPARTMENT	<u>904 m²</u>
<input type="checkbox"/> Manager Office	24 m ²
<input type="checkbox"/> Correspondence Office	16 m ²
<input type="checkbox"/> Secretary	16 m ²
<input type="checkbox"/> Retainer Unit	16 m ²
<input type="checkbox"/> General Meeting Room	96 m ²
<input type="checkbox"/> Small Meeting Room (2 room)	96 m ²
<input type="checkbox"/> Research Units (10 room)	640 m ²
8. STORAGES	<u>4632 m²</u>
<input type="checkbox"/> Book Store (10 room)	2200 m ²
<input type="checkbox"/> Periodicals Store (10 room)	2200 m ²
<input type="checkbox"/> Non-book materials and map storage	100 m ²
<input type="checkbox"/> Book Store Office	16 m ²
<input type="checkbox"/> Periodicals Store Office	16 m ²
<input type="checkbox"/> Front Store	100 m ²
<input type="checkbox"/> Elevator	
9. SOCIAL AREAS	<u>1952 m²</u>
<input type="checkbox"/> Curator	32 m ²
<input type="checkbox"/> Secretary	16 m ²
<input type="checkbox"/> Administrative Office	24 m ²
<input type="checkbox"/> Entrance and Foyer	400 m ²
<input type="checkbox"/> Conference Hall (400 Person)	800 m ²
<input type="checkbox"/> Special Exhibition Area	96 m ²
<input type="checkbox"/> General Exhibition Area	240 m ²
<input type="checkbox"/> Cafe	294 m ²
<input type="checkbox"/> Kitchen	50 m ²
10. TECHNICAL AREAS	<u>6910 m²</u>
<input type="checkbox"/> Library Archive	300 m ²
<input type="checkbox"/> Map Archive	200 m ²
<input type="checkbox"/> Archive personal	32 m ²
<input type="checkbox"/> Technician	32 m ²
<input type="checkbox"/> Library retainer locker-shower-rest (32 x 3)	94 m ²
<input type="checkbox"/> Electrician	32 m ²
<input type="checkbox"/> Heating Center	300 m ²
<input type="checkbox"/> Transformer	32 m ²
<input type="checkbox"/> Main Electric Box	24 m ²
<input type="checkbox"/> Generator	32 m ²

<input type="checkbox"/> UPS	32 m ²
<input type="checkbox"/> Air Conditioning + Ventilation (possible places)	500 m ²
<input type="checkbox"/> Storages (100 x 2)	200 m ²
<input type="checkbox"/> Renovation Workshops	100 m ²
<input type="checkbox"/> Close Carpark (200 cars)	5000 m ²

LIBRARY AREA	11307 m ²
%40 Circulation	4522 m ²
TOTAL.....	15829 m ²
Technical Areas.....	6910 m ²
GRAND TOTAL	22739 m²

10. IMPORTANT NOTES

1. Different functions and uses as required may be added to the program. If it is justified, it is possible to change 10% in m².
2. It is expected that disabled access should be considered for each use of space. (Accessibility)
3. Sanitary spaces are included in vertical circulation cores. The project is required to comply with IBB fire and shelter regulations.
4. It is expected that open and semi-open spaces will be designed considering the use of recreation as well as open exhibition, performance, training and sharing areas and that their qualities such as courtyard, terrace and garden will be diversified.

COMMUNICATION CHANNELS FOR B JURY

Cloud Drive for Project Files



<https://yadi.sk/d/xJDFaQTrTcFMEA>

WhatsApp Students Group



<https://bit.ly/2lSr7Sp>