



**Çankaya University
Faculty of Architecture
Department of Architecture**



ARCHITECTURAL DESIGN STUDIO VI

ARCH 402

**'DESIGNING AN URBAN SERVICES COMPLEX WITH AN EMPHASIS ON
TURKISH DESIGN CENTER
ON THE ANKARA KONYA HIGHWAY'**

DEFINITION AND INFORMATION REPORT

-Course Vision (approach of the studio within the structure of the department / min. one paragraph):

The 402 Architectural Design course envisions that each student tackles with the given Design Task using the 10 design principles that Haluk Pamir developed (2009, 2014, 2017) for the design of settlements and built environments. These design principles are developed according to the interactions between the social, cultural, human and environmental parameters. These principles are as follows:

1. The social ecology of the settlement and the built environment must be well balanced. Population and services mix must have a good complexity by serving today's needs and also respecting the traditions. Social ecology must provide a re-assurance for comfort for all.
2. Natural ecology of the built environment must be well balanced. It must provide alternative uses with complex design strategies of plants, wind, water and similar natural elements. It must use the 'green built environment' understanding with the 'blue built environment' understanding.
3. The design must be energy sensitive. Both its passive energy budget and its active energy gains must be designed for.
4. Design must care for the populations of the handicapped and needs of the special groups such as the elderly and the children. This caring attitude is in fact for all the population. 'Comfort' is a basic in this context.
5. Design must provide safety and security for its users and institutions.
6. Design must borrow from the potential of using broad band technologies in the built environment. This use will increase security, participation and communication in the built area.
7. Design must aim to be economical in terms of both the building and the operation stages. Groups with less power must be able to use the design millieus without being hindered by their costs.
8. The design must reveal a sense of urban and architectural aesthetics. On this context we should refer to our traditional design background and know-how, our developing understanding of Technologies and our use of experimental-conceptual dimensions of design. This is also what I call the 'tectonics' of architecture. That is 'the aesthetic way of making architecture'.
9. The design process must follow ethical guidelines. All design decisions must be openly shared and user groups must be respected.



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10. The design must provide a sustainable and resilient output in an evolving environment. The designed built environment must be flexible enough to respond to the changes in all the parameters mentioned above.

- Course Objectives & Learning Outcomes:

- Course objectives are to design an urban social / cultural context in Ankara by using Commercial, Business and Exhibition Environments of a Design Centre. The design proposal is to be developed for a site on the Ankara-Konya Highway. Students are expected to learn how one can use the 10 Principles of design for the built environment.
- In this context the students would deal with the notions of change and flexibility
- Students are expected to delve into the intellectual dimensions of Architectural Debate for their own interpretations of the design issues.
- Students are also expected to reflect on the sense of Professional Services understanding in the design for built environments. They will be helped by both the course tutors as well as civil and mechanical engineering and landscape design tutors.

Location of the Project Site is provided on the map provided with this document.

- The Facility Program and Partial Architectural Program for the Urban Social / Cultural Complex.

1. Design Center Commercial Area.

To be planned in three sections (approximately 10.000 m2.). One section will be for Special Design Products to be sold, the second will be a design supermarket and the third will be shops and entertainment facilities related with design.

- **Entrance**

Entrance hall, info desk, security, lobby, WC's for men, women and the handicapped, stairs, elevators, fire stairs and fire escapes.

- **Food Court**

Restaurant, fast food kiosks, kitchen (s) common eating areas and terraces all having a design quality emphasis.

- **Children's Design Centre And Youth Design Centre**

Centers will be designed with appropriate activities as the designer offers.

- **Cinema Halls**

At least 4 cinema halls with different sizes. Foyer. WC's. Ticket kiosks.



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- **Open Car Parks and Garage As Required**

This parking provision must be calculated by the students.

2. Design Center Business Area with office areas to rent (approximately 9.000 m2.)

- **Entrance**

Entrance hall, info desk, security, lobby, WC's for men, women and the handicapped, stairs, elevators, fire stairs and fire escapes. (Approximately 200-500 sqm)

- **Office Areas**

There will be approximately 150 offices. Each with approximately 50 sqm. Each can be divisible or more than one can be joined to perform as required.

- **Cafeteria**

500 sqm cafeteria and its terrace only to serve the offices.

3. Design Center Exhibition Area (approximately: 10.000 m2.)

- **Entrance**

Entrance canopy, short term parking and taxi parking

- Entrance lobby (+small exhibitions)
- Reception must be linked with administration)
- Security Room
- Sitting and Waiting area

- **Permanent Collection Area (3,500 sqm)**

- **Temporary Collection Area (3,500 sqm)**

- **Multi Purpose Hall (2,000 sqm)**

(Cloak room+ Service rooms) Must have backstage room as well as backstage storage for seminars and cocktails). Multi purpose hall must be for 1000 people. There should be a possibility of partitioning the hall into two.

- **Administrative Unit**

- Manager's Room
- Meeting Room



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- Accountants' Room
- **Restaurant**
 - Minimum for 200 people
 - Kitchen
 - Preparation section
 - Main cooking section
 - Service section
 - Dishwashing section
 - Special pastry section
 - Cold and standard storages
 - WC, Showers, dining, clothes changing sections for the kitchen personnel
- **Service Units**

Service Patio (must be linked with the kitchen, entry of goods-must have industrial scales)

Personnel entry (changing clothes + bathrooms)

Garage for at least 100 cars + car wash facilities.

- **Technical Services**

Heating ventilating cooling system centers. Generator room, water pumps ancillary rooms' storage areas. Water storage (for at least 100 tons of water) and waste storage room for all facilities.

- Curriculum Expectations:

- Prerequisite Courses; Arch 401 Architectural Design Course must have been satisfactorily completed.
- Supporting Courses: None

- Project Topic (2017/2018 projects, previous examples):

“Designing an Urban Services Complex: Turkish Design Center, on the Ankara Konya Highway”

in 2017-2018 Fall Semester

“A Theoretical Settlement Design”

in 2016-2017 Spring Semester



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- Scale and Drawing Expectations (Final Requirements):

- 1/500 scale urban design proposal of the built environment,
- 1/200 scale architectural plans, sections and elevations,
- 1/100 axonometric cross-sections to present the tectonic idea behind the architectural and urban design.
- 1/500 model
- A moving image of the urban complex for experiencing in time of its 3-D qualities

- Teaching Policy:

- Design and Planning Approach:
The 10 Design Principles
- Stages:
 - Program Analysis
 - Site Analysis (Urban Support Systems (transportation, pedestrian movement, services, etc.), Topography and Urban Landscape, Neighbors, Environmental Factors (sun, wind, etc.), Laws and Bye-Laws)
 - Urban Design Typology Analysis (silhouette, massing, urban form, etc.)
 - Architectural Typology Analysis (via critical modernism)
 - Scenario Analysis
 - Integrative Interpretations + Urban and Architectural Identity Proposals.
- Critique Methods:
 - For the First 4 weeks students' work will be evaluated through panel evaluations
 - For the following weeks apart from the mid-term juries and juries with the visiting critics or specialists, each student will be receiving individual evaluation from the design tutors.
- Evaluation Technics: (such as juries and drawing exercises [sketch problems, studio works, etc.])
 - Evaluation will be mainly made through 3 pre juries (2 of which will count as midterm juries) and 1 final jury.
 - Each student work's progress will be closely monitored and evaluated.
 - Each student will be evaluated separately for their contribution during the studio deliberations.

-Laboratory / Studio Usage:

- Studio will meet every Monday and Thursday as scheduled (shown below) between 13:00 and 17:00 hours.
- Exceptions are for the days programmed otherwise, such as site or company visits.



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-Weekly Schedule / Course Outline:

1st week

25 SEPTEMBER

Presentation of the Project. Getting to know each other. Students will be asked to visit the site and start making a group model of the site. Students will also be asked to start researching for the standards of Commercial, Exhibition and Office environments.

28 SEPTEMBER

Discussions on,

- a. Site visit and site characteristics.
- b. The Program of facilities.
- c. Meanings of Social, Cultural and Professional Identity

2nd week

2 OCTOBER

Presentation of Photos and videos of the site and its environs. Analytical Sketches of the site and its environs at 1/5000 and 1/1000 scales.

5 OCTOBER

The presentation of the model. Presentation of the good practices of urban complex designs and for each service type.

3rd week

9 OCTOBER

Discussions of the flexibility issue and sustainability issue with specialists.

12 OCTOBER

Final decisions on group norms and standards for site use, traffic, environmental conditions and programs.

4th week

16 OCTOBER

Individual presentations of scenarios, understanding of programs and 1/500 scale drawings of the urban complex

19 OCTOBER

1/500 scale discussions



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5th week

23 OCTOBER

Preliminary jury

26 OCTOBER

An Evaluation of the 1st stage and introduction of the 2nd stage of the design process

6th week

30 OCTOBER

1/200 Scale studies

2 NOVEMBER

1/200 Scale studies

7th week

6 NOVEMBER

1/200 Scale studies

9 NOVEMBER

1/200 Scale studies

8th week

13 NOVEMBER

1/200 Scale studies

16 NOVEMBER

1/200 Scale studies

9th week

20 NOVEMBER

1ST MID-TERM JURY

23 NOVEMBER

Discussions on the Closure of the 2nd stage and Aims of the 3rd stage



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10th week

27 NOVEMBER

1/200 and 1/100 Tectonic Studies

30 NOVEMBER

1/200 and 1/100 Tectonic Studies

11th week

4 DECEMBER

1/200 and 1/100 Tectonic Studies

7 DECEMBER

1/200 and 1/100 Tectonic Studies

12th week

11 DECEMBER

1/200 and 1/100 Tectonic Studies

14 DECEMBER

1/200 and 1/100 Tectonic Studies

13th week

18 DECEMBER

2ND MID TERM JURY

21 DECEMBER

FINAL DELIBERATIONS

14th week

25 DECEMBER

FINAL DELIBERATIONS

28 DECEMBER

FINAL DELIBERATIONS



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-Grading Policy:

- Total grades: 100
- Tutor evaluation of the sustainability of student progress: %15 of 100,
- Participation in the ongoing discussions in the studio: %10,
- Preliminary Jury: %10
- Mid-Term Jury 1: %15
- Mid-Term Jury 2: %15
- Final Jury: %35

-Studio Rules & Regulations:

- Full Attendance required between 13:00-17:00 hours on each studio day.
- Every hour there will be a 10 minute break for conveniences.
- Students are expected not to use their mobile phones in between the breaks.
- Students are expected to participate meaningfully in the ongoing discussions of the studio.
- Students may choose to work elsewhere for 6 days out of the 28 days allocated for this studio's working schedule. For extra absences the student needs legally viable documents to be excused.