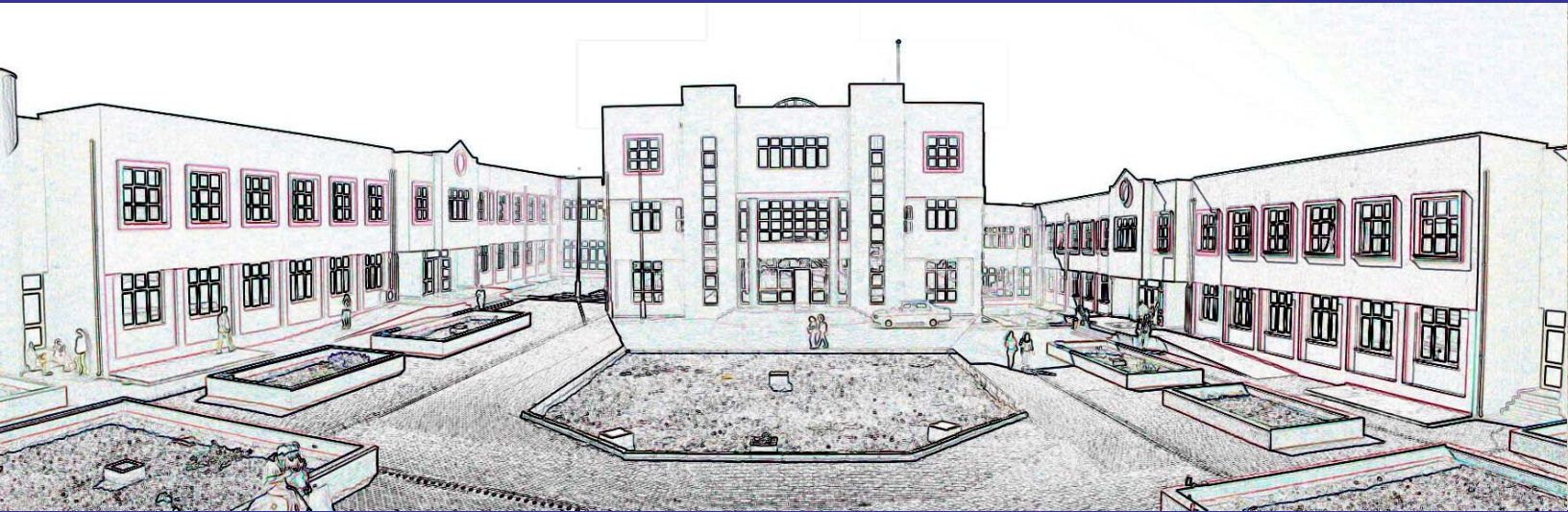


dokuz eylul university
faculty of architecture
department of city and regional planning



master degree
courses

urban design
msc in ud



THE OBJECTIVES OF MASTER DEGREE STUDIES

The Department of City and Regional Planning in Faculty of Architecture at Dokuz Eylül University provides extensive training on fields of city planning and urban design as programmes offered by the Institute of Natural and Applied Sciences in DEU. These two study programmes in graduate level are:

- Master of Science in Urban Design
- Master of Science in City Planning

There are two basic objectives in master degree studies:

- The first objective is to have increased number of professionals affiliated with academic life.
- The other objective is to develop the intellectual level and skills of those professionals who are to be employed in formal institutions or private offices functioning in fields of city planning and urban design.

These objectives, which are also valid for undergraduate level studies, imply the training of talented, qualified professionals who carry the responsibility of ethical values and who are sensitive to nature and cultural processes. The skills to be attained involve theoretical and analytical skills, creativity and abstract, independent and integrated thinking concerning issues related with all aspects of spatial organization.

Whereas the first year of the graduate level studies provides students with relevant projects where they can test their knowledge and skills obtained via the courses they take in parallel, the second year is to be reserved for a comprehensive study for the thesis to be accomplished in completion of their graduate study. The courses of the master degree programmes and their contents reflect the main directions and concerns in formation of these programmes. These main directions and concerns provide for a flexible set of issues upon which students can individually set their specific area of research with provision of a wide variety of elective courses.

INTERNATIONAL COOPERATION

Within context of ERASMUS programme, certain periods of graduate degree studies can be accomplished abroad with full accreditation of academic achievements. The Bilateral Agreement signed between the Department of City and Regional Planning, Faculty of Architecture in Dokuz Eylül University (TR) and the Faculty of Architecture and Town Planning at the University of Applied Sciences Koblenz (DE) offers the opportunity for exchange of students and academic staff, as starting with the academic year of 2005-2006.

PREREQUISITES FOR ADMISSION

The prerequisite for admission to graduate level studies in field of city planning is a graduate qualification in the subject of city and regional planning or a relevant field dealing with spatial organization consisting of a regular period or study of 8 semesters completed at a specialized higher education institute, a technical university or university; having awarded a Bachelor Degree in City Planning.



The prerequisite for admission to master degree programme in field of urban design is a graduate qualification in the subject of architecture, city and regional planning, landscape architecture, civil engineering or a relevant field dealing with spatial organization consisting of a regular period or study of 8 semesters completed at a specialized higher education institute, a technical university or a university; alternatively, a Bachelor Degree in Architecture, City Planning or Landscape Architecture consisting of a regular minimum study period of 8 semesters completed at a specialized higher education institute, a technical university or university.

The required qualification in terms of the overall grade attained in undergraduate study has to be “good” as corresponding to at least 75 out of 100 or 3 out of 4.

DURATION AND DEGREES AWARDED

The regular period of graduate study is 4 semesters in fields of city planning and urban design each, starting with the winter semester and ending in the following spring semester, between September and June. The graduate studies can only be commenced in the winter semester.

The credits awarded in Master Degree in City Planning are **24** credits with minimum **8** courses taken, while that of Urban Design amount to **32** credits, with minimum **12** courses taken. However, for exchange students, as long as **30** ECTS credits are taken for one semester, adding up to **60** ECTS credits for an academic year of master studies, the minimum number of courses may be reduced to **6** courses in CP and **8** courses in UD programmes. In order to avail for comparison with the modular system, the working hours by semester have been given specifically in contents of the courses each.

The degrees awarded by different programmes at different levels of study are as follows:

DEPARTMENT OF CITY AND REGIONAL PLANNING				
Level		Programme & Duration		Degree Awarded
Undergraduate		City Planning	4	Bachelor of City Planning – B. CP
Graduate	Master	City Planning	2	Master of City Planning - M. CP
		Urban Design	2	Master of Science in Urban Design – M.Sc. in UD
Post-graduate	Ph.D.	City Planning		Doctor of Philosophy - PhD
		Urban Design		

FOR CONTACT

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35160 Kuruçeşme – Buca / İzmir (TR)
Tel: +90 – 232 – 453 64 64 / 8479
Fax: +90 – 232 – 453 29 86
E-mail: sbp@deu.edu.tr
Web-site: http://www.fbe.deu.edu.tr

For any inquiries about the course contents, contact:

Prof. Dr. Hülya Koç hulya.koc@deu.edu.tr
(Head of Department)



GOALS OF THE MASTER PROGRAMME ON URBAN DESIGN

Urban design program has been developed in order to meet the graduates of urban planning and architecture departments. The characteristic of urban design where architecture and city planning occasionally get intertwined with each other, but where urban design is not fully covered with either of the disciplines, in other words, its characteristic to be both the “design of city” and “design of urban spaces” constitutes the process and content of design. This characteristic points out to a design understanding where:

- spatial sensitivity is set forth as based, in terms of content, on locality, distinctiveness, flexibility and justice in encountering the needs of different social groups, and in terms of the adopted process, on participation range and team work discipline,
- promoting this understanding and enabling students to gain skills with regard to the process of design is adopted as the basic goal of graduate level studies in urban design.

Graduate education in field of urban design addresses not only to the problems of the field with respect to its undefined context, gap between spatial disciplines, instrumentalization by capital accumulation cycles etc., but also to potentials of urban design such that it is a short-term implementable activity under circumstances of increasing importance of urban vision, need for betterment of livability conditions and occasional compensation of planning etc.

The urban design master programme provides extensive training for:

- formation of core knowledge and skills concerning both concrete (for planners) and abstract (for architects) data
- contemporary categories of knowledge
- support for personal development in order to increase creativity
- adoption of the role of a social actor in order to increase social – political awareness
- support for formation of a vision involving consensus between actors
- for competence in advanced design skills and knowledge: social learning – alternative knowledge categories – project management skills
- skills in revealing socio-cultural identity in order to decipher space
- support for the philosophical and artistic basis in order to increase individual skills of architectural expression

While the courses taken in the first semester of the master study aim at adaptation of architects into the discipline of planning by providing knowledge and skills of concrete data and of planners into the discipline of architecture by providing those of abstract data, the second semester focuses on the distinctive aspects of urban design. The third and fourth semesters are allocated to master thesis and research studies as well as seminars.

In line with these, the overall framework of the programme supports three main tasks in gaining:

- i. scientific / technical knowledge and skills
- ii. discursive / theoretical knowledge
- iii. artistic / design skills



The courses offered in Urban Design programme can be grouped according to these tasks as follows:

SCIENCE / TECHNOLOGY	DISCOURSES / THEORY	ART / DESIGN
<ul style="list-style-type: none"> ▪ URD 501 Urban Design Project for Architect ▪ URD 505 Urban Design Project for Planner ▪ URD 508 Urban Design Practice ▪ URD 511 Principles of Planning ▪ URD 514 Concept of Urban Design ▪ URD 518 Urban Network ▪ URD 520 Urban Design Project ▪ URD 522 Urban Management ▪ URD 527 Structural Techniques ▪ ARCH 537 Contemporary Structural Systems ▪ URD 591 Computer Aided Design ▪ URD 615 Urban Renewal 	<ul style="list-style-type: none"> ▪ URD 515 Sectoral Planning ▪ URD 531 Natural Ecology and Urban Design Relations ▪ URD 532 Recreation and Urban Design Relations ▪ PLN 533 Sociology of Space ▪ PLN 535 Policies of Urban Economy ▪ URD 546 Conservation Planning ▪ URD 553 Urban Housing Policy ▪ URD 588 Aesthetics, Space and Urban Design ▪ URD 592 Urban Design Theories 	<ul style="list-style-type: none"> ▪ URD 501 Urban Design Project for Architect ▪ URD 505 Urban Design Project for Planner ▪ URD 508 Urban Design Practice ▪ URD 513 Principles of Architectural Design ▪ URD 514 Concept of Urban Design ▪ URD 520 Urban Design Project ▪ URD 524 Environmental Perception ▪ URD 525 Building Design ▪ URD 526 Architectural Aesthetics ▪ URD 536 Streets for People ▪ URD 538 Urban Waterfronts ▪ URD 551 Analysis of Residential Districts ▪ URD 565 Urban Form and Function ▪ URD 576 Design of City Centers ▪ URD 575 Internal Structure of the City ▪ URD 611 Townscape

The allocation of the courses per semester are as given in the following:

M.Sc. in Urban Design (For students with a degree in Architecture)			
Compulsory Courses			
	Code	Title of Course	Credit
Winter Semester	URD 501	Urban Design Project for Architect	4 4 0
	URD 511	Principles of Planning	2 0 0
	URD 515	Sectoral Planning	2 0 0
	PLN 533	Sociology of Space	2 0 0
	PLN 596	M.Sc.Seminar	0 2 0(Non-Credit)
	PLN 598	M.Sc.Research	2 0 0(Non-Credit)
	PLN 599	M.Sc.Thesis	(Non-Credit)
Spring Semester	URD 508	Urban Design Practice	0 4 0
	URD 514	Concept of Urban Design	2 0 0
	URD 520	Urban Design Project (Pre: URD 501 or URD 505)	4 4 0
	PLN 596	M.Sc.Seminar	0 2 0(Non-Credit)
	PLN 598	M.Sc. Research	2 0 0(Non-Credit)
	PLN 599	M.Sc.Thesis	(Non-Credit)
	Total minimum credit: 32		Min. Number of courses with credit: 12



M.Sc. in Urban Design (For students with a degree in City Planning)			
Compulsory Courses			
Winter Semester	Code	Title of Course	Credit
	URD 505	Urban Design Project for Planner	4 4 0
	URD 513	Principles of Architectural Design	2 0 0
	URD 525	Building Design	2 0 0
	URD 527	Structural Techniques	2 0 0
	PLN 596	M.Sc.Seminar	0 2 0(Non-Credit)
	PLN 598	M.Sc.Research (Uzmanlık Alanı Dersi)	2 0 0(Non-Credit)
PLN 599	M.Sc.Thesis	(Non-Credit)	
Spring Semester	Code	Title of Course	Credit
	URD 508	Urban Design Practice	0 4 0
	URD 514	Concept of Urban Design	2 0 0
	URD 520	Urban Design Project (Pre:URD 501 or URD 505)	4 4 0
	PLN 596	M.Sc.Seminar	0 2 0(Non-Credit)
	PLN 598	M.Sc.Research (Uzmanlık Alanı Dersi)	2 0 0(Non-Credit)
PLN 599	M.Sc.Thesis	(Non-Credit)	
Total minimum credit: 32		Min. Number of courses with credit: 12	

Elective Courses for M.Sc in Urban Design			
Winter Semester	Code	Title of Course	Credit
	URD 531	Natural Ecology and Urban Design Relations	2 0 0
	PLN 535	Policies of Urban Economy	2 0 0
	ARCH 537	Contemporary Structural Systems	2 0 0
	URD 551	Analysis of Residential Districts	2 0 0
	URD 553	Urban Housing Policy	2 0 0
	URD 565	Urban Form and Function	2 0 0
	URD 575	Internal Structure of the City	2 0 0
	URD 591	Computer Aided Design	2 0 0
	URD 611	Townscape	2 0 0
URD 615	Urban Renewal	2 0 0	
Spring Semester	Code	Title of Course	Credit
	URD 518	Urban Network	2 0 0
	URD 522	Urban Management	2 0 0
	URD 524	Environmental Perception	2 0 0
	URD 526	Architectural Aesthetics	2 0 0
	URD 532	Recreation and Urban Design Relations	2 0 0
	URD 536	Streets for People	2 0 0
	URD 538	Urban Waterfronts	2 0 0
	URD 546	Conservation Planning	2 0 0
	URD 576	Design of City Centers	2 0 0
URD 588	Aesthetics, Space and Urban Design	2 0 0	
URD 592	Urban Design Theories	2 0 0	

The courses are given by academic staff of the Department as mentioned below:

COURSES AND LECTURERS			
Code	Title of Course	Lecturer	E-mail address
URD 501	Urban Design Project for Architect	Various lecturers in the Department	-
URD 505	Urban Design Project for Planner		
URD 520	Urban Design Project		
PLN 535	Policies of Urban Economy	Dr. Çınar Atay	cinar.atay@deu.edu.tr
URD 546	Conservation Planning	Dr.-Ing. Şenel Ergin	senel.ergin@deu.edu.tr
URD 531	Natural Ecology and Urban Design Relations		
URD 532	Recreation and Urban Design Relations	Dr. Sezai Göksu	sezai.goksu@deu.edu.tr
URD 515	Sectoral Planning		
URD 536	Streets for People		
URD 538	Urban Waterfronts		
URD 551	Analysis of Residential Districts		
URD 553	Urban Housing Policy	Dr. Hülya Koç	hulya.koc@deu.edu.tr
URD 615	Urban Renewal	Dr. Emel Göksu	emel.goksu@deu.edu.tr
URD 511	Principles of Planning	Dr. Yıldırım Oral	yildirim.oral@deu.edu.tr
URD 518	Urban Network		
URD 522	Urban Management		
PLN 533	Sociology of Space	Dr. Funda Altınçekiç Aysel	funda.aysel@deu.edu.tr
URD 513	Principles of Architectural Design	Dr. Tuğrul Kırmızı	tugrul.kirmizi@deu.edu.tr
URD 525	Building Design		
URD 526	Architectural Aesthetics		
URD 591	Computer Aided Design		
URD 527	Structural Techniques		
ARC 537	Contemporary Structural Systems	Dr. Cengiz Yesügey	cengiz.yesugey@deu.edu.tr
URD 565	Urban Form and Function	Dr. İpek Özbek Sönmez	ipek.sonmez@deu.edu.tr
URD 508	Urban Design Practice	Dr. Tolga Çilingir	tolga.cilingir@deu.edu.tr
URD 575	Internal Structure of the City	Dr. Hayat Zengin Ünverdi	hayat.unverdi@deu.edu.tr
URD 576	Design of City Centers		
URD 611	Townscape		
URD 588	Aesthetics, Space and Urban Design	Dr. Şebnem Gökçen Dündar	sebnem.gokcen@deu.edu.tr
URD 592	Urban Design Theories	Dr. Ebru Çubukçu	ebru.cubukcu@deu.edu.tr
URD 514	Concept of Urban Design		
URD 524	Environmental Perception		

The language of education in graduate level is in English and Turkish both. While some of the courses are given in English, others are in Turkish. However, as the exchange of students may necessitate, some courses, though not officially, may be given in languages other than Turkish, depending on the language skills of the lecturers. The courses given in English and those with language options are as mentioned below. Each elective course has to be selected only after consultation with the lecturer.

COURSES IN ENGLISH		
Code	Title of Course	Lecturer
URD 501	Urban Design Project for Architect	Various lecturers in the Department
URD 505	Urban Design Project for Planner	
URD 520	Urban Design Project	
URD 515	Sectoral Planning	Dr. Sezai Göksu
URD 536	Streets for People	Dr. Hülya Koç
URD 551	Analysis of Residential Districts	
URD 538	Urban Waterfronts	
URD 553	Urban Housing Policy	
URD 615	Urban Renewal	Dr. Emel Göksu
PLN 511	Principles of Planning	Dr. Yıldırım Oral
URD 518	Urban Network	
URD 522	Urban Management	
URD 513	Principles of Architectural Design	Dr. Tuğrul Kırmızı
URD 525	Building Design	
URD 526	Architectural Aesthetics	
URD 591	Computer Aided Design	
URD 527	Structural Techniques	Dr. Cengiz Yesügey
URD 565	Urban Form and Function	Dr. İpek Özbek Sönmez
URD 508	Urban Design Practice	Dr. Tolga Çilingir
URD 575	Internal Structure of the City	Dr. Hayat Zengin Ünverdi
URD 576	Design of City Centers	
URD 611	Townscape	
URD 588	Aesthetics, Space and Urban Design	Dr. Şebnem Gökçen Dündar
URD 592	Urban Design Theories	
URD 514	Concept of Urban Design	
URD 524	Environmental Perception	Dr. Ebru Çubukçu

COURSES THAT CAN OPTIONALLY BE GIVEN IN A LANGUAGE OTHER THAN TURKISH			
Code	Title of Course	Lecturer	Optional Language
PLN 535	Policies of Urban Economy	Dr. Çınar Atay	French
URD 546	Conservation Planning		
URD 531	Natural Ecology and Urban Design Relations	Dr.-Ing. Şenel Ergin	German (to be consulted with the lecturer) senel.ergin@deu.edu.tr
URD 532	Recreation and Urban Design Relations		
PLN 533	Sociology of Space	Dr. Funda Altınçekiç Aysel	(only Turkish)
ARC 537	Contemporary Structural Systems	Dr. Cengiz Yesügey	English



CREDITS OF COURSES					
Code	Title of Course	Credit	Working hours per week	Working hours per semester	ECTS
URD 501	Urban Design Project for Architects	8	12	168	12
URD 505	Urban Design Project for Planners	8	12	168	12
URD 508	Urban Design Practice	4	6	84	6
URD 511	Principles of Planning	2	4	60	4
URD 513	Principles of Architectural Design	2	4	56	4
URD 514	Concepts of Urban Design	2	4	56	4
URD 515	Sectrol Planning	2	4	56	4
URD 518	Urban Network	2	4	56	4
URD 520	Urban Design Project	8	12	168	12
URD 522	Urban Management	2	4	56	4
URD 524	Environmental Perception	2	4	60	4
URD 525	Building Design	2	4	56	4
URD 526	Architectural Aesthetics	2	4	56	4
URD 527	Structural Techniques	2	4	56	4
URD 531	Natural Ecology and Urban Design Relations	2	4	60	4
URD 532	Recreation and Urban Design Relations	2	4	60	4
URD 536	Streets For People	2	4	56	4
URD 538	Urban Waterfronts	2	4	56	4
URD 546	Conservation Planning	2	4	56	4
URD 551	Analysis of Residential Districts	2	4	56	4
URD 553	Urban Housing Policy	2	4	56	4
URD 565	Urban Form And Fuction	2	4	60	4
URD 575	Internal Structure Of The City	2	4	56	4
URD 576	Design of City Centers	2	4	56	4
URD 588	Aesthetics, Space And Urban Design	2	4	60	4
URD 591	Computer Aided Design	2	5	70	5
URD 592	Urban Design Theories	2	4	56	4
URD 611	Townscape	2	4	56	4
URD 615	Urban Renewal	2	4	60	4
ARCH 537	Contemporary Structural Systems	2	4	56	4

(4+4)

Eight hours per week. Eight credits.

Course Title: URD 501 Urban Design Project for Architect

Lecturer: Prof.Dr.-Ing. Şenel Ergin or any other lecturer

Prerequisites: None

Aims:

The aim of this project is to teach students with a degree in architecture the process of urban planning action, through analytical survey, development plan revisions and development of urban design projects at appropriate scales.

Work which is to be carried within the studio content is going to be organized as group or individual study.

Group study:

- Examination of the a selected District in order to understand the settlement and develop policies for the future;
- Determination of the social-economic structure and spatial structure via land use studies.
- Examination of the existing development plan and formulation of spatial and economical policies depending on the demands of the local residents, municipality and relative institutions.
- Critics of the existing development plan and partial revisions will be carried on by the group work.

Individual study:

- Preparation of an individual urban design project is targeted as depending on the changes of the existing development plan and the developed policies.

Contents:

The urban design project is to follow the process mentioned below:

- A study tour to the area, official and private pre-interviews, and supply of the necessary literature and sources.
- Supply of the necessary maps, questionnaires and relative document.
- Supply and examination of the existing development plans of the study area.
- Land use studies and supply of relative information and documents from the official institutions
- Synthesis, mapping and interpretation of the gathered data.
- Correlation of the macro decisions at metropolis scale with the study area, after

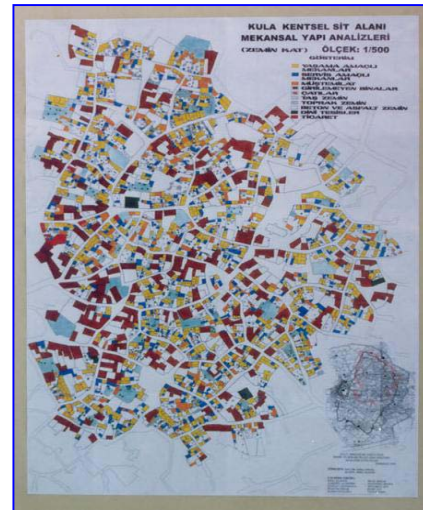
determination of the development trends of the area, production of policies to the future on the basis of various sectors (agriculture, tourism, etc.) and preparation of necessary revisions on the development plan.

- Collection of the analysis reports.
- Preparation of necessary corrections according to critics. Development of urban tourism based urban design projects
- Discussions on presentation and legend techniques and preparation of the final drafts.

Key Skills: Ability to work in inter-disciplinary environment, analytical skills.

Range and Structure of Course:

The course consists of **168** working hours per week. (**112** Hours for supervised study and classes, **28** hours for individual study, **14** hours for production and feedback, **14** hours for independent/group design/project work)



Teaching and Supervision:

Reading, field survey, discussion, presentation, individual & group study, critique, case study.

Assessment:

Interim Juries 40%
Final Jury 60%

(4+4)

Eight hours per week. Eight credits.

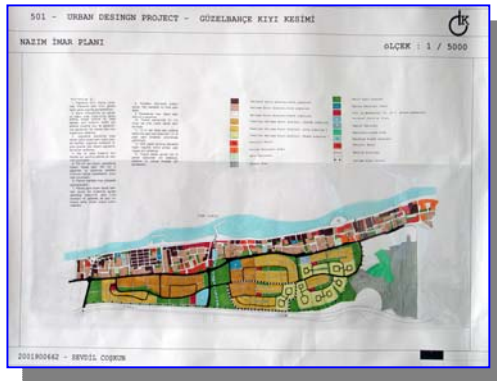
Course Title: URD 505 Urban Design Project for Planner

Lecturer: Prof. Dr. Hülya Koç or any other lecturer

Prerequisites: None.

Aims:

The aim of the URD 505 Urban Design Project for planners is to cover the conceptual discussions, design process and the drawing techniques of the urban design discipline, which stands between architecture and urban planning disciplines. As an obligation of this course, it has been aimed to provide the information and practices related to the urban design and architectural matters to the urban planning originated students.



Contents:

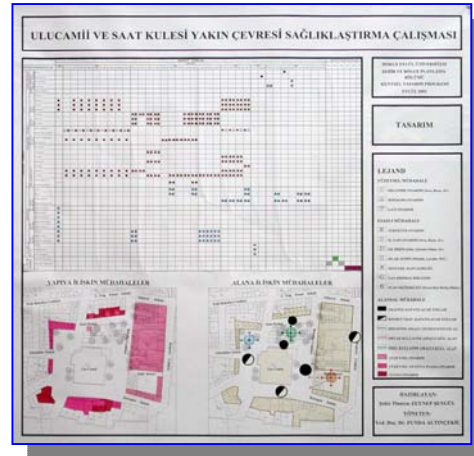
The process of the study requires detailed analysis of both of natural and artificial structures. Supplementing such analysis with conceptual discussions carries the study to a further step, which is the design.

Key Skills:

Ability to work in inter-disciplinary environment, analytical skills, oral and written presentation skills.

Range and Structure of Course:

The course consists of **168** working hours per week. (**112** Hours for supervised study and classes, **28** hours for individual study, **14** hours for production and feedback, **14** hours for independent/group design/project work)

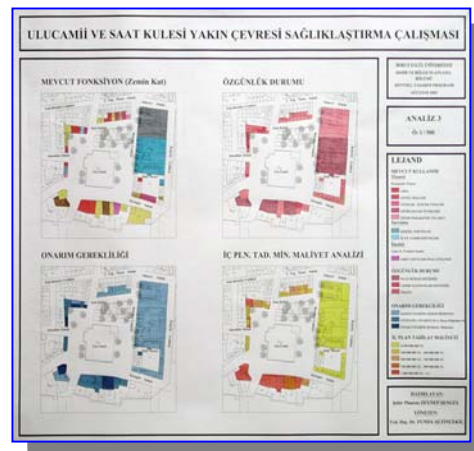


Teaching and Supervision:

Reading, field survey, discussion, presentation, individual & group study, critique, case study.

Assessment:

There will be two preliminary juries in determining the in-semester grade. The overall grade will be presented as
Interim Juries 40%
Final Jury 60%



(0+4)

Four hours project studio per week. Two credits.

Course Title: URD 508 URBAN DESIGN PRACTICE

Lecturer: Asst. Prof. Dr. Tolga Çilingir

Prerequisites: None

Aims:

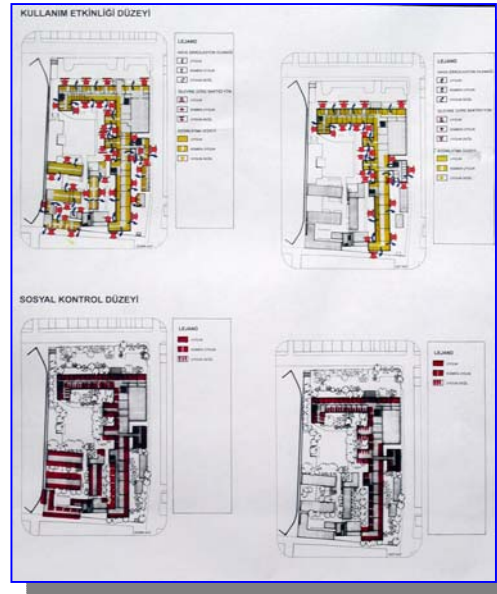
Urban design practice is a crucial part of urban design education. This course aims at developing urban design skills of students on various area-based approaches. Within the context of this course, students will be able to work on different subject areas and projects.

Contents:

The course aims to cover three projects of different contexts. Therefore, at the first phase of each project, there will be an analysis and research part relative to the problem area and subject.

In the second phase, the obtained data will be analyzed as to fit the identified topic frameworks and be elaborately deciphered in context of the synthesis work held. Oral and written material will be realized with the help of all sorts of data and documents obtained and this will be followed by a project proposal to fit all the required criteria.

- Collection of all sorts of data, maps and documents; the topics analyzed throughout the course to be considered.
- Transfer of all the obtained data into written or drawn documents, and discussion of urban design practices.
- Finalization of the urban design practices.



Range and Structure of Course:

The course consists of **84** working hours per semester. (**56** Hours for supervised study and classes, **7** hours for individual study, **7** hours for production and feedback, **14** hours for independent/group design/project work)

Teaching and Supervision:

Research, field survey, presentation, individual study or group study, critique, case study, studio.

Assessment:

There will be at least two urban design practices. Each practice will be evaluated in equal ratios.

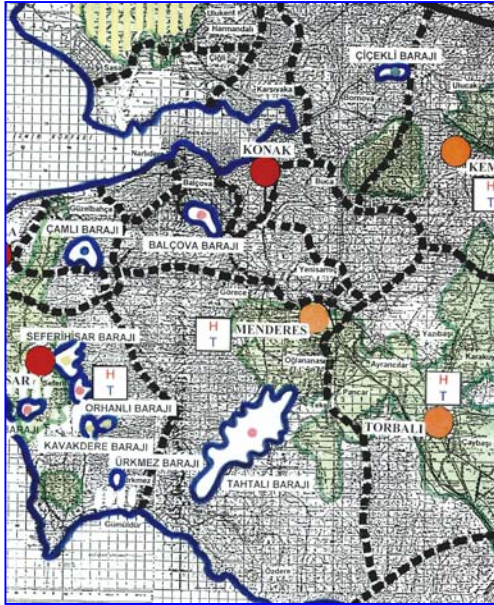
- Discussion of project studio framework, determination of case study topic and discussion of related theoretical perspectives.

(2+0)
 Two hours per week. Two credits.
Course Title: URD 511 PRINCIPLES OF PLANNING
Lecturer: Asst. Prof. Dr. Yıldırım Oral

Prerequisites: None

Aims:

The aim of the PLN 511 Principles of Planning is to cover the legislative and management aspects of spatial planning in Turkey with an emphasis on the existing frame work and to make a critical over view.



Contents:

The course covers:

- A brief historical approach.
- General problems of spatial planning in Turkey.
- Theoretical background.
- Planning theory in general.
- Planning hierarchies and interrelations.
- Discussions on urbanization.
- Basic human behavior, social choice and value judgement.
- Social, economic, physical, sectorial aspects of planning.

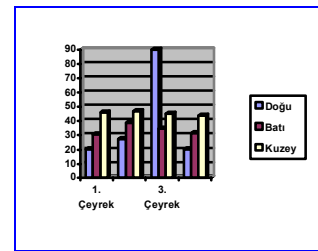
- Inventories legal and administrative planning items.
- Sectors affecting spatial planning.
- Definition of the concepts of cost and benefit, in social terms.
- Planning standards, design criteria. Technical aspects.
- Political and cultural aspects.
- Management aspects.
- Physical and social infrastructure.
- Post-modern metropolis.
- General conclusion and discussions.

Range and Structure of Course:

The course consists of **60** working hours per week. (**28** Hours for supervised study and classes, **16** hours for individual study, **8** hour for production and feedback, **8** hours for independent/group design/project work)

Teaching and Supervision:

Reading, field survey, discussion, presentation, individual study, group study, lecture, critique, case study, workshop.



Assessment:

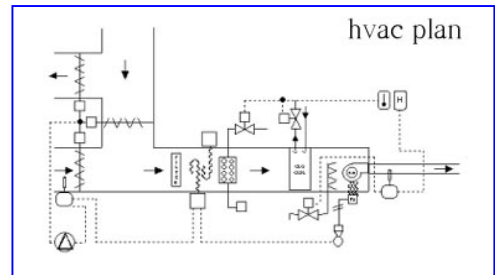
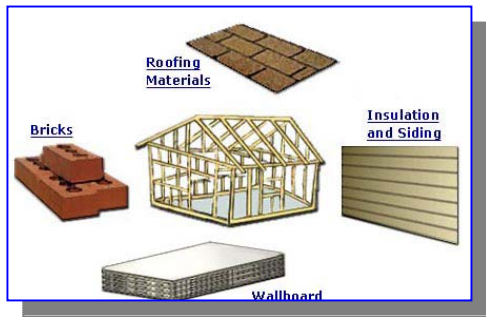
Mid-term exam: 50%
 Final exam: 50%

(2+0)
 Two hours per week. Two credits.
Course Title: URD 513 PRINCIPLES OF ARCHITECTURAL DESIGN
Lecturer: Asst. Prof. Dr. Tuğrul Kırmızı

Prerequisites: None.

Aims:

The content of this course provides an introductory approach for students to understand elements and principles of architectural design. Keeping in mind a student who wishes to gain a general knowledge about basic principles of architectural design and composition, multidisciplinary workshops in an integrated design studio environment will be used as a complementary part of the “Active Learning” process.



Range and Structure of Course:

The course consists of **56** working hours per semester. (**28** hours for supervised study and classes, **14** hours for individual study, **7** hours for production and feedback, **7** hours for independent/group work)

Teaching and Supervision:

Reading, discussion, presentation, individual & group study, seminar, lecture, critique, workshop.

Contents:

The following issues will be considered throughout the course:

- The built environment, human interactions. Introduction to basic elements such as, movement, balance, rhythm, repetition, proportion, scale, sequence, color etc.
- Construction technology and architectural design. Essential elements of form and space. An interactive study of space for human needs. Design examples.
- Introduction to the short history of the physical and cultural contexts.
- Light, building materials, acoustics & psychological considerations. Building service systems, plumbing, electrical, vertical transportation, communication, security, fire protection, HVAC systems.

Assessment:

Students are expected to attend and participate in the interactive workshop sessions. Two Mid-Term examinations will be averaged and affect the grade by 50%. Final exam will be the 50% of the resulting grade.



Key Skills:

Ability to work in an inter-disciplinary environment, analytical skills.

(2+0)

Two hours per week. Two credits.

Course Title: URD 514 CONCEPTS OF URBAN DESIGN

Lecturer: Asst. Prof. Dr. Ebru Çubukçu.

Prerequisites: None

Aims:

Urban Designers design settings for the use of public. During the design process they speculate about how people behave in their environment. However, such judgments often lack an adequate empirical basis. This course examines the research that looked at the relationship human behavior in physical environment. Such information can be used to evaluate existing environments and predict consequences of alternative designs. Upon completion of the course the student should understand the importance of exploring the relationship between behavior and physical setting. They will also be able to describe and evaluate the research methods used in environment-behavior studies. They will be able to critically evaluate previous empirical research. They will design, conduct and analyze a specific environment-behavior study.

Contents:

- Introduction to Environmental Psychology
- Effects of physical setting on humans
- Environmental Aesthetics- Urban scenes, natural scenes, rural scenes, architectural exteriors and interiors
- Post Occupancy Evaluation
- Crime and Physical Setting
- Environmental Stress
- Personal Space and Territoriality
- Research methods in environment-behavior studies- Measurement, sampling, Research design, Questionnaires and interviews



Key Skills:

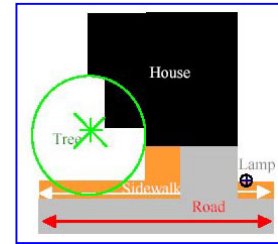
The ability to work independently (self-study)

Range and Structure of Course:

The course consists of 56 working hours per semester. (28 hours for supervised study and classes, 14 hours for individual study, 14 hours for production and feedback)

Teaching and Supervision:

Reading, Discussion, Presentation, Individual study, Lecture, Case study



Assessment:

Mastery of the literature 20 % (Students will read an article from a list of optional reading list each week. Every other week they will be asked to type a 100-200 word summary of that article. During class students will report on the optional articles).
 Mid-Term 30 %
 Final Project 50%
 (Each student will conduct and describe an empirical study).



(2+0)

Two hours per week. Two credits.

Course Title: URD 515 SECTORAL PLANNING

Lecturer: Prof. Dr. Sezai Göksu

Prerequisites: None

Aims:

Any advance which is made from a self-contained subsistence economy can only be affected by specialization. In this context, the town is a point of specialized activity carrying out tasks, which are best performed either at central, accessible places or where a high degree of population concentration is economically necessary. The former can be regarded as co-ordinating activities, the latter as productive. A third activity can be added to these, that of the organization of intermediary, long distance transport, so that the following can be regarded as characteristically urban functions.

This course intends to provide an outline of urban functions in a geographical context, and their planning practices for those graduates who come from architectural background.

Contents:

The course covers the following issues:

- The Historical Process of Urbanization
- The Urban Phenomenon
- The Formation of the Metropolitan Regions in Industrial Capitalist Societies

- Urbanization, Development and Dependence
- Mode of Production and Process of Urbanization
- The Urban Structure
- The Debate on the Theory of Space
- The Elements of the Urban Structure
- From the Study of Space to the Analysis of the City
- Processes for Collaborative Planning
- Planning and Governance
- Strategies, Processes and Plans
- Systemic Institutional Design for Collaborative Planning

Range and Structure of Course:

The course consists of **56** working hours per week. (**28** hours for supervised study and classes, **28** hours for individual study)

Teaching and Supervision:

Reading, discussion, lecture.

Assessment:

Two mid-term examinations will be averaged and affect the grade by 40%. Final exam will be 60% of the resulting grade.



(2+0)

Two hours per week. Two credits.

Course Title: URD 518 URBAN NETWORK

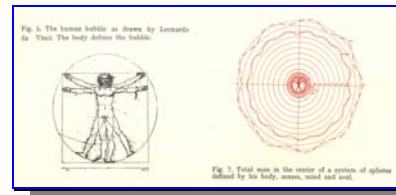
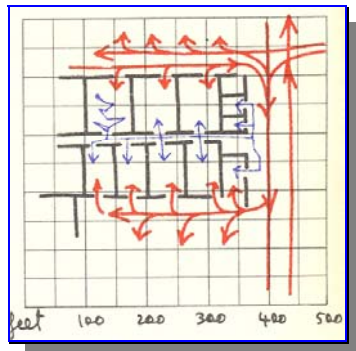
Lecturer: Asst. Prof. Dr. Yıldırım Oral

Prerequisites: None

Aims:

This course is designed to give the students all the necessary information related to the physical infrastructure in urban areas. The biological, mental and the physical needs of urban people in terms of services that are to be built up in human settlements. Various aspects, standards and norms in designing infrastructural projects of the cities are going to be introduced, and how technological developments are affecting the city form and structure due to the rapid change in related networks are also going to be discussed.

- Water and sanitation.
- Road network and transport systems.
- Solid waste management.
- Changing technologies and the introduction of new networks in the cities.
- Communication systems.
- Responsibilities of local governments in terms of urban services.
- Municipal finance and management.
- Central government for the financment and management of urban services and basic functions.



Range and Structure of Course:

The course consists of 56 working hours per semester. (28 hours for supervised study and classes, 28 hours for individual study)

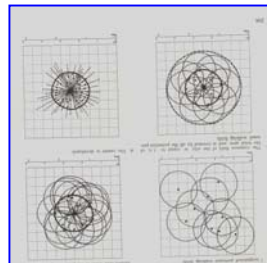
Contents:

The course intends to cover:

- Basic human needs for the physical infrastructure in urban areas.
- General information about the concept and content of urban network systems and planning in relation to the physical infrastructure.
- Defining the various urban network systems.
- Administrative specialization in relation to the public works in Turkey.
- Management options for urban services.
- Providing water supply systems.
- Sewerage and waste water.

Teaching and Supervision:

Reading, discussion, presentation, individual study, group study, lecture, critique, case study, workshop.



Assessment:

The mid-term exam will be graded by 50 %.

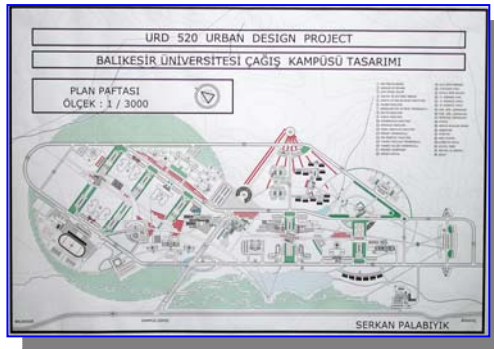
Final exam will be 50 % of the resulting grade.

(4+4)
 Eight hours per week. Eight credits.
Course Title: URD 520 URBAN DESIGN PROJECT
Lecturer: Prof. Dr. Hülya Koç or any other lecturer

Prerequisites: URD 501 or URD 505

Aims:

The purpose of this study is to provide students of architecture and planning with the experience of solving problems in a major point in an urban setting, where the need for interventions and proposals on scale of urban design appear to be inevitable for the development not only of the place's near surrounding, but with reflections to the entire city. The interdisciplinary profile of the course also gives the students the chance to experience different scales of design and different ways of approach in design.



Contents:

The construction of the projects are intended to foreground the special points in the selected urban piece that should be developed or preserved, by means of every kind of researches and observations, analysis in different scale and range in the site. In this context, each point will be re-evaluated and developed as concerning its own problems and potentials, and due implementation projects will be created in urban design scales. Those implementation projects will include both environmental organization proposals in planning scale and structural organization proposals in architectural scale. In addition, those

implementation projects are to contain material and street furniture proposals leading the application process. The management of the project will be handled through individual research and designing studies.



Key Skills:

Ability to work in inter-disciplinary environment, analytical skills, oral and written presentation skills.

Range and Structure of Course:

The course consists of **168** working hours per week. (**112** Hours for supervised study and classes, **28** hours for individual study, **14** hours for production and feedback, **14** hours for independent design / project work)

Teaching and Supervision:

Reading, field survey, critique, discussion, presentation, individual study, case study.

Assessment:

Interim Juries 40%
 Final Juries 60%



(2+0)
 Two hours per week. Two credits.
Course Title: URD 522 URBAN MANAGEMENT
Lecturer: Asst. Prof. Dr. Yıldırım Oral

Prerequisites: None

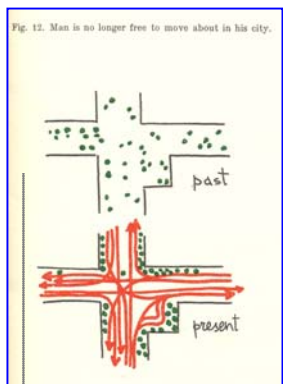
Aims:

This course is designed to give students all the necessary information related to public administration in Turkey. Management activities are going to be identified in general with regards to institutional aspects. Constitutional and legislative framework of the central and local government will also be given. This is going to be realised in content with references to a global planning understanding. The subjects also cover the urban sectors and general urban planning process with those aspects that the students of architecture are not yet familiar due to their previous undergraduate studies.

Contents:

The course intends to cover:

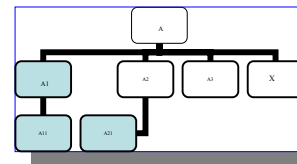
- General information about the concept and content of planning.
- Administrative, legal and organisational aspects of planning.
- A general system's approach, analysis and decision making process.
- Public administration in relation to the planning affairs in Turkey.
- Urban management, local government and local policymaking.
- Constitutional aspects. Diversification of power in public administration.



- Public participation in planning.
- Rural management with respect to the physical planning affairs.
- A general review of the techniques and identification of several approaches of plan

preparation and implementation. Discussion of general objectives and the basic tools in these aspects. Public investment, budgeting and programming.

- Behavioral aspects of urban planning.
- Further discussions on the main topics of the lecture.

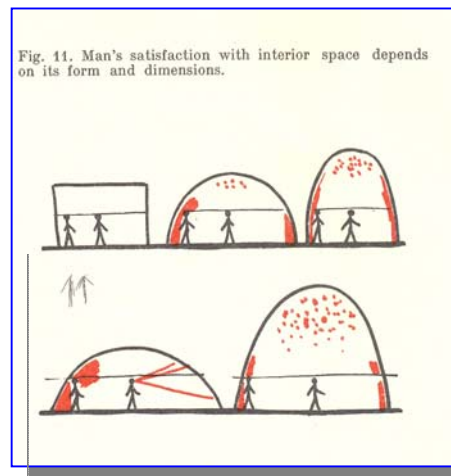


Range and Structure of Course: The course consists of **56** working hours per week. (**28** hours for supervised study and classes, **28** hours for individual study)

Teaching and Supervision: Reading, discussion, presentation, individual study, lecture, case study, workshop)

Assessment:

The mid-term exam 50 %
 Final exam 50 %



- Hierarchy order and typological aspects in planning.
- Central government and basic functions.
- Hierarchies and role of scale in planning and the practice in Turkey.
- Turkish planning law.

(2+0)

Two hours per week. Two credits.

Course Title: URD 524 ENVIRONMENTAL PERCEPTION

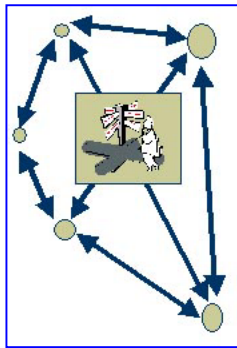
Lecturer: Asst. Prof. Dr. Ebru Çubukçu.

Prerequisites: None

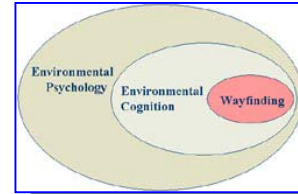
Aims:

Perception is a broad field of enquiry including a range of disciplines, such as psychology, geography, and planning. Perception refers to the experience of world, which happens in a moment of time and requires little or no information processing, and cognition refers to the comprehension of the environment that involves more information processing, and requires some mental activity. With perception and cognition, people develop spatial knowledge about the physical environment. Understanding such concepts through empirical studies urban designers can increase their sensitivity to user perception and can shape environments to improve the quality of life for millions of people.

Upon completion of the course the student should be able to define the complex interrelationships between physical settings and people's perception and understand how to apply that knowledge establish guidelines for the design of new environments.



- Spatial knowledge – Landmark, Route and Survey Knowledge
- Orientation and wayfinding



Key Skills:

The ability to work independently (self-study)

Range and Structure of Course:

The course consists of **60** working hours per week. (**28** Hours for supervised study and classes, **16** hours for individual study, **16** hours for production and feedback)

Teaching and Supervision:

Reading, Discussion, Presentation, Individual study, Lecture, Case study



Contents:

The course intends to cover :

- Perspectives on environmental perception and cognition
- The effect of environmental perception and cognition on people's aesthetic evaluation of settings
- Distance and area perception
- Cognitive maps



Assessment:

Mastery of the literature 30 % (Students will read one or two articles from a list of optional reading list each week. Every other week they will be asked to type a 100-200 word summary of that article. During class students will report on the optional articles).

Mid-Term 30 %

Final Project 40 %

(Each student will conduct the project and describe an empirical study).

(2+0)

Two hours per week. Two credits.

Course Title: URD 525 BUILDING DESIGN

Lecturer: Asst. Prof. Dr. Tuğrul Kırmızı

Prerequisites: None

Aims:

The course brings an overall approach to the subject matter aiming interactive collaboration between City & Regional Planners and Building Design Professionals. Multidisciplinary workshops in an integrated design studio environment will be used as a complementary part of the “Active Learning” process.



Contents:

The course intends to cover the following issues:

- Building Biology & Ergonomics
- Construction
- Light, Building Materials & Psychological Considerations
- Services, Ventilation, Acoustics



Key Skills:

Ability to work in a team; analytical skills, oral presentation skills

Range and Structure of Course:

The course consists of **56** working hours per week. (**28** hours for supervised study and classes, **14** hours for individual study, **7** hours for production and feedback, **7** hours for group work)

Teaching and Supervision:

Reading, discussion, presentation, individual & group study, seminar, lecture, critique, case study, workshop.

Assessment:

Two Mid Term examinations will be averaged and affect the grade by 50 %. Final exam will be 50% of the resulting grade.



(2+0)

Two hours per week. Two credits.

Course Title: URD 526 ARCHITECTURAL AESTHETICS

Lecturer: Asst. Prof. Dr. Tuğrul Kırmızı

Prerequisites: None

Aims:

Aesthetics is a branch of philosophy dealing with beauty and the beautiful. As an area of philosophical study, aesthetics is a part of value theory and related ideologies. The course is concerned with the understanding and development of the aesthetic values of architectural design process related to the usage of technology in the light of updated conceptualizations.



Contents:

Histories of aesthetics and ideology, Aesthetic ideology, Interactions between “Architectural Aesthetics” and “Ideology of Aesthetics”, Modern Culture and Critical Theory, Case studies.



Key Skills:

Ability to work in a team; analytical skills.

Range and Structure of Course:

The course consists of **56** working hours per week. (**28** hours for supervised study and classes, **14** hours for individual study, **7** hours for production and feedback, **7** hours for independent/group design/project work)



Teaching and Supervision:

Reading, discussion, presentation, individual study, group study, seminar, lecture, critique, case study, workshop.



Assessment:

Two Mid Term examinations will be averaged and affect the grade by 50 %. Final exam will be 50% of the resulting grade.

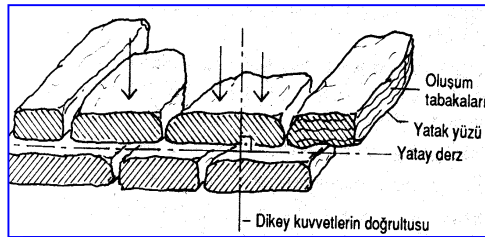


(2+0)
 Two hours per week. Two credits.
Course Title: URD 527 STRUCTURAL TECHNIQUES
Lecturer: Asst. Prof. Dr. Cengiz Yesügey

Prerequisites: None

Aims:

The aim of the course is to give basic information about structure. Therefore, the definition of structure, elements of structure, materials of structure will be handled and discussed during the course.



Contents:

The course intends to cover the following issues:

- Examining the concept of structure – discussion of several examples. The interrelation between Architecture and Planning.
- Aim and documents of construction; architectural drawings; site plan, foundation plan, floor plan, roof plan, exterior elevations, cross-sections
- Specifications, schedules, bill of quantities, contract
- Structural elements of the building construction
- Foundations
- Walls: definition, functional analysis of exterior wall, wood wall, stone wall, concrete wall
- Walls: brick wall, metallic wall, interior wall
- Walls: heat insulation, sound insulation, design procedure
- Floors: definition, wood floor, reinforced concrete floor
- Floors: steel floor, considerations affecting the selection of the structural floor systems
- Roofs: pitched roofs, roofs, flat roofs
- Roofs: heat transmission and insulation, condensation affecting the selection of the structural roof systems
- Classification of structural material and their usage through different structural elements

- The interrelation between structure and building construction

Key Skills:

The ability to work independently (self-study), paper presentation skills.

Range and Structure of Course:

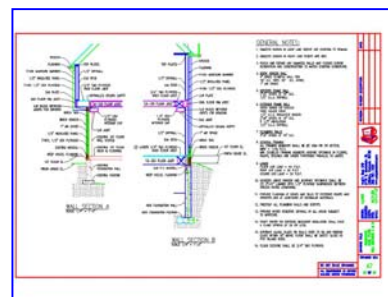
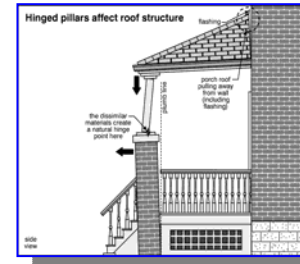
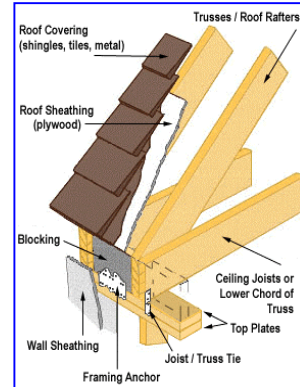
The course consists of 56 working hours per week. (28 Hours for supervised study and classes, 28 hours for individual study)

Teaching and Supervision:

Reading, discussion, individual study, lecture.

Assessment:

The Mid-term exam amounts to 40% of the final grade, which is to be submitted as a paper.



(2+0)

Two hours per week. Two credits.

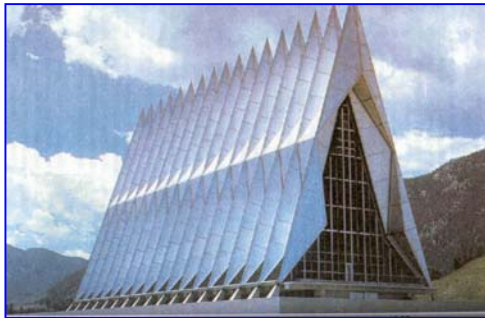
Course Title: ARC 537 CONTEMPORARY STRUCTURAL SYSTEMS

Lecturer: Asst. Prof. Dr. Cengiz Yesügey

Prerequisites: None

Aims:

The aim of the course is to introduce students with new and contemporary structural systems. In line with this, information will be given as concerning the structural systems that may avail for passing long spacings or that constitute the structure of multi-storied buildings. All information given will be exemplified with relevant application examples.



Contents:

The course intends to cover the following issues:

- Definitions related with the subject, architecture and structural system, the development of structural systems.
- Concepts related with structural systems: loads, snow, wind, heat, earthquake loads; power, simple pressure, pushing, bending, sliding and buckling stresses.
- Folded plates: material, geometrical possibilities, examples of application.
- Shell systems: definition of shell, concept of incurvation, winding (rotational) surfaces, transition surfaces and curve-linear surfaces
- Applied cases of shells
- Tensile strength structures
- Cable systems: single cable, double cable systems, cable networks
- Membrane systems: properties of material and examples of application
- Pneumatic systems: examples of application

- Space structures: the development of space structures, flat or curved surfaced space structures, geometrical principles.
- Space frame systems and geodesic domes: examples of application.
- Glued-timber structures: examples of application



Key Skills:

The ability to work independently (self-study), paper presentation skills.

Range and Structure of Course:

The course consists of **56** working hours per week. (**28** Hours for supervised study and classes, **28** hours for individual study)

Teaching and Supervision:

Reading, discussion, individual study, lecture.



Assessment:

The Mid-term exam amounts to 40% of the final grade, which is to be submitted as a paper.

(2+0)

Two hours per week. Two credits.

Course Title: URD 531 NATURAL ECOLOGY AND URBAN DESIGN RELATIONS

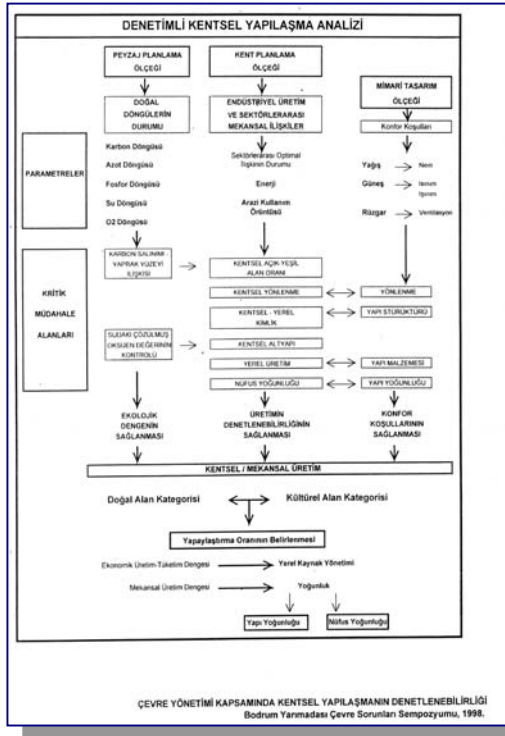
Lecturer: Prof.Dr.-Ing. Şenel Ergin

Prerequisites: None

Aims:

The course aims at conceptual and phenomenological explanation of ecology and its examination at scale of urban design.

- Characteristics of natural systems
- Functions of ecosystems
- Natural space as an ecosystem
- Examination of natural cycles within the framework of natural elements/resources
- Renewable natural elements/resources
- Non-renewable natural elements/resources
- Semi-natural eco-systems
- Cultural eco-systems
- Energy approach in ecology
- Ecological energy and energy resources problem
- Physical planning and opportunities for energy oscillation
- Energy oscillation on basis of building, opportunities and limitations
- Formation of ecologically sensitive urban parts on the basis of urban design



Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

The course consists of 60 working hours per semester. (28 hours for supervised study and classes, 32 hours for individual study)

Teaching and Supervision:

These are in the form of reading, field survey, discussion, seminar, case study

Contents:

- "Natural Space" concept in physical planning
- Natural/ecological environment concept
- Ecological relations
- Systems concept

Assessment:

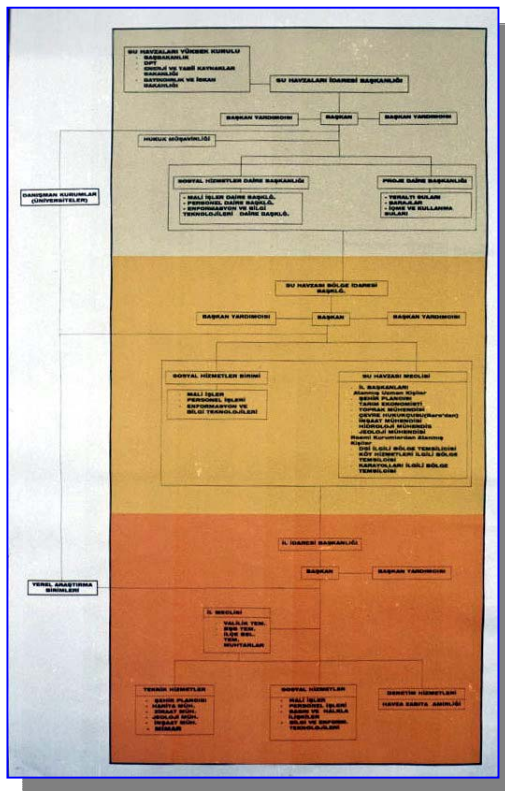
- Mid Term exam 20 %
- Mid Term exam 20 %
- Final paper submission:60 %



(2+0)
 Two hours per week. Two credits.
Course Title: URD 532 RECREATION AND URBAN DESIGN RELATIONS
Lecturer: Prof.Dr.-Ing. Şenel Ergin

Prerequisites: None

Aims:
 Conceptual and phenomenological explanation of one of the basic concepts of physical planning, "recreation", and its examination at urban design scale.



Contents:

- Definitions relative to area, time, action and human.
- Relation settlements with types of recreation relative to area, time, action and human; design, norm and standard characteristics.
- Spatial and subtil differentiation between recreation activities and tourism activities
- Determination of the recreation needs of citizen.
- Determination of the factors that necessitate increasing in recreation.

- Determination of the recreation trends of the citizen.
- Factors that affect the selection of recreational trends.
- Gender and recreation relations.
- Income and recreation relations.
- Education and recreation relations.
- Family structure and recreation relations
- Settlement place and recreation relations
- Transportation and recreation relations
- Determination of the recreational potential of the citizen.
- Natural resources: geographical location, climate, natural habitat, geological and geomorphologic structure, and topography, and water source
- Cultural Resources: Archeological areas and buildings, local architecture, local traditions, hand craft and festivals, historical-cultural buildings.
- Examination of the existing urban structure from the aspect of recreation needs of the woman.
- Examination of the existing urban structure from the aspect of recreation needs of the elderly and the handicapped.

Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

The course consists of **60** working hours per semester. (**28** hours for supervised study and classes, **32** hours for individual study)

Teaching and Supervision:

These are in the form of reading, field survey, discussion, seminar, case study

Assessment:

Mid Term exam 20%
 Mid Term exam 20%
 Final paper submission:60%

(2+0)
 Two hours per week. Two credits.
Course Title: URD 536 STREETS FOR PEOPLE
Lecturer: Prof. Dr. Hülya Koç

Prerequisites: None

Aims:

Increasing number of motor vehicles have caused problems such as noise, air pollution, accidents, traffic congestion. One of the reasons of emerging pedestrian streets has been a response to such problems. Pedestrian streets also provide safe, attractive spaces to people. They promote urban conservation in historical environments.

This course considers not only pedestrian streets (or malls), but other traffic-free areas such as plazas. In these areas priority has been given to pedestrian movements and motor traffic has been prohibited or limited. This course aims to study organizational, financial, technical and aesthetic problems of developing pedestrian streets by examining case studies in Turkey and other countries.

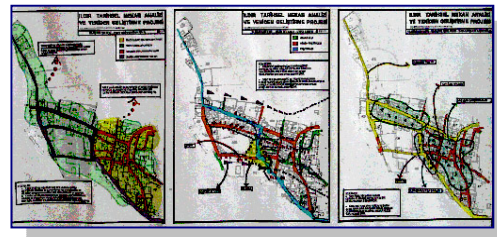
Contents:

This course intends to cover the following issues:

- Defining the pedestrian street, pedestrian movement, the interactions and conflicts between pedestrian and traffic benefits of pedestrianization; travellers, residents and traffic interactions over time; economic benefits; social benefits
- Principles of designing pedestrian streets; the characteristics of street environment
- Elements of successful pedestrian streets; pedestrian streets and open spaces
- Recent developments – case studies
- The principles that can be applied to make a healthier access system
- The design process: studying the area; identifying potential and constraints



- Assessing the area: examination of land uses; physical characteristics and features; user groups and their needs
- Designing the pedestrian access system; spatial requirements; landscaping on pedestrian areas; street furniture; surfacing on pedestrian movement areas; emergency access on



pedestrian streets

- Projects – case studies

Key Skills:

The ability to work independently (self-study).

Teaching and Supervision:

These involve research, field survey, presentation, individual study.

Range and Structure of Course:

The course consists of 56 working hours per semester. (28 Hours for supervised study and classes, 28 hours for individual study)



Assessment:

There will be a comprehensive report in addition to the mid-term exam in determining the in-semester grade. In-semester grade will be as follows:
 Report: 75%
 Mid-term exam 25%.

(2+0)
 Two hours per week. Two credits.
Course Title: URD 538 URBAN WATERFRONTS
Lecturer: Prof. Dr. Hülya Koç

Prerequisites: None

Aims:

Many cities have been established along rivers, lakes or sea. In many cities, artificial water bodies (lake or canal) have been created by planners. Because of its specific location, at the interface between land and water, waterfront is a place for competing land uses. The development of waterfront areas is often a complex process involving a large number of interested individuals and organizations. Designing of waterfront areas is an integral part of the development process. The aim of this course is to study urban waterfront areas in urban design context and to discuss design principles on these areas.



Contents:

The course aims to cover the following issues in due course:

- Defining the waterfront area
- Benefits of an improved waterfront
 - economic benefits
 - social benefits
- Principles of waterfront development
- Elements of a successful waterfront development project
- Recent waterfront developments – case studies

- The principles that can be applied to make a waterfront healthier
- The waterfront planning process
 - studying the area
 - identifying potentials and constraints
- Assessing the waterfront
 - examination of land uses and shore structures
 - physical characteristics and features
 - user groups and their needs
- Designing the waterfront
 - shoreline protection
 - public access areas
 - spatial requirements
 - landscaping the waterfront
 - design considerations
- Waterfront development projects – case studies

Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

The course consists of 56 working hours per semester. (28 Hours for supervised study and classes, 28 hours for individual study)



Teaching and Supervision:

These involve research, presentation, individual study.

Assessment:

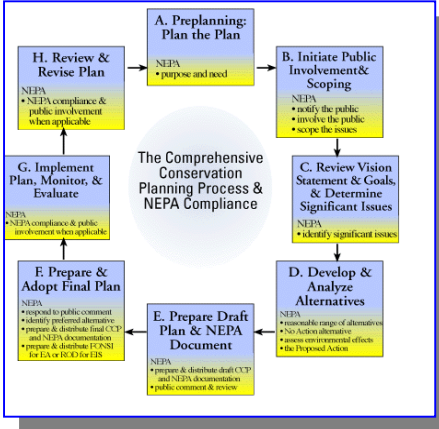
There will be a comprehensive report in addition to the mid-term exam in determining the in-semester grade. In semester grade will be as follows:
 Report %75
 Mid-term exam 25%

(2+0)
 Two hours per week. Two credits.
Course Title: URD 546 CONSERVATION PLANNING
Lecturer: Prof. Dr. Çınar Atay

Prerequisites: None

Aims:

Conservation planning conceptually implies cultural heritage conservation principles, however the importance of human factor should not be avoided. On one side personal preferences, on the other side legal and bureaucratic approaches transform approaches to a complex state. Therefore, besides theoretical approaches, approach those priorities implementations must also gain importance in dealing with cases. In this means, the content of the course implies implementations besides theoretical background.



Contents:

Conservation implies not only cultural values but also natural values. Depending on his consciousness, after the first five weeks of theoretical discussions, implementations will be covered. Therefore, within the content of the course a settlement will be selected for a conservative implementation. With this approach human factor will be more deeply considered within conservation concept and possible problems in implementation will also be discussed.

Key Skills:

These are: the ability to work in a team, analytical skills, and oral presentation skills.

Range and Structure of Course:

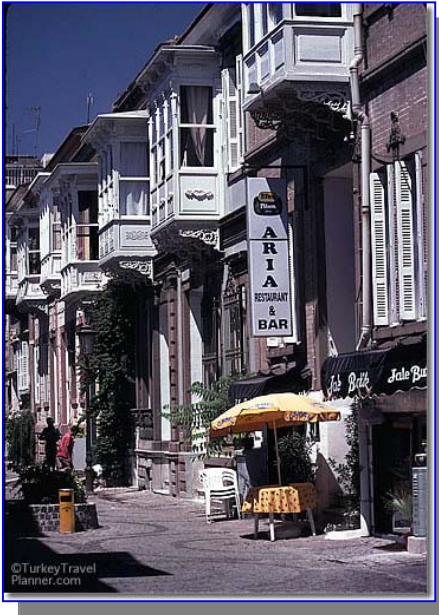
The course consists 56 working hours per semester. (28 Hours for supervised study and classes, 28 hours for group and individual study)

Teaching and Supervision:

These are in the form of field survey, discussion, presentation, individual study, group study, critique.

Assessment:

Mid Term presentation %30
 Final Presentation 70%



(2+0)

Two hours per week. Two credits.

Course Title: PLN 535 POLICIES OF URBAN ECONOMY

Lecturer: Prof. Dr. Çınar Atay

Prerequisites: None

Aims:

The main aim of this course is to analyze the development processes and social costs and benefits of industrial processes that evolved in time with the foundations of the industrial revolution.

Contents:

The first part of the course will cover the commodification process of capital that connects with capitalism since capital exists in every period.

The second part of the course will cover changing production relations, development of new consumption areas in the World economy, and analysis of their reflections on regional and national scales.

Development of certain strategies with industrial technology Implementation that occur at different periods of time and at different places, and strategic approaches and convert to regional scales and divergence from the urban planning concept make up third part of the course.

Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

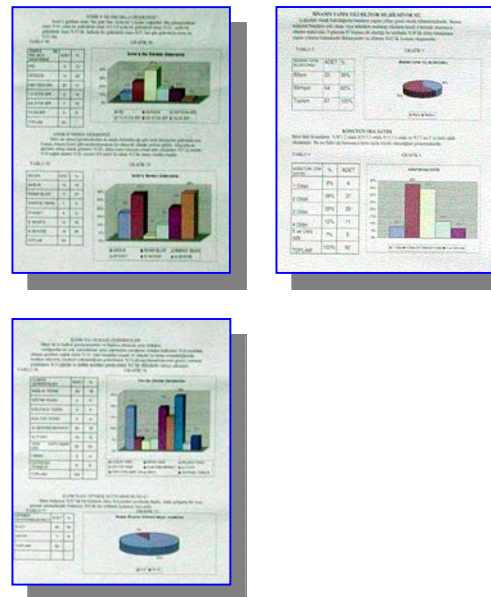
The course consists **56** working hours per semester. (**28** Hours for supervised study and classes, **28** hours for group and individual study)

Teaching and Supervision:

These are in the form of discussion, presentation, individual study study.

Assessment:

Mid Term presentation %50
Final Presentation 50%



(2+0)

Two hours per week. Two credits.

Course Title: URD 551 ANALYSIS OF RESIDENTIAL DISTRICTS

Lecturer: Prof. Dr. Hülya Koç

Prerequisites: None.

Aim:

This course aims to develop the sensitivity of the urban design student about healthier and livable housing environments. The course covers natural, social and built aspects of residential districts and focuses on user needs. During the course the examination of potentials and problems will be handled in different cases. The problems on adequate housing and design elements of the qualified, healthier and livable communities will be discussed. New inclines toward solutions and new design approaches will be put on the agenda.

- Discussing the possibilities and constraints of housing areas built by different modes of supply in Izmir.
- Research on the spatial and social characteristics of the residential districts of Izmir
- Research on the spatial and social characteristics of the residential districts of Izmir.
- Research on the relations of building block, street, plot and house in Izmir.
- Discussion on future actions about residential development.

Contents:

- Presentation of course objectives and reference books.
- Discussing the indicators of Quality of Life for a healthy community
- Discussing the indicators of Quality of Life for a healthy community; searching the spatial qualities of livability.
- Searching the design elements of livability.



- Searching the design elements of livability; redefining the community design principles, qualities and indicators.
- Discussing the possibilities and constraints of housing areas built by different modes of supply.



Key Skills:

These are: the ability to work independently (self-study)

Teaching and Supervision:

These involve research, field survey, presentation, individual study.

Range and Structure of Course:

The course consists of **56** working hours per semester. (**28** Hours for supervised study and classes, **28** hours for individual study)

Assessment :

Examination I and II will be averaged and affect the grade by 50%. Final examination will be 50% of the resulting grade.



(2+0)

Two hours per week. Two credits.

Course Title: URD 553 URBAN HOUSING POLICY

Lecturer: Prof. Dr. Hülya Koç

Prerequisites: None.

Aim:

This course focuses on study of housing policy and its implementation. The effects of different housing policies on urban housing supply and the effects on the social and physical form of the cities will be handled and discussed. The emphasis will be on the Turkish experience.



- Housing problem and social housing policy.
- Housing policies in their social, economic and political contexts.
- The interaction between market processes and government interventions.
- Evaluating of factors affecting policies and implementation.
- The evolution of housing policy in Turkey.
- Evaluating a case study.
- Discussion on future actions about housing policy in Turkey.

Key Skills:

These are: the ability to work independently (self-study)

Teaching and Supervision:

These involve research, field survey, presentation, individual study.

Range and Structure of Course:

The course consists of **56** working hours per semester. (**28** hours for supervised study and classes, **28** hours for individual study)

Content:

- Specific characteristics of housing (housing as shelter, as a market commodity, as a social service, as an object of public policy)



Assessment:

Examination 1 will be averaged and affect the grade by 50%. Final examination will be 50% of the resulting grade.



(2+0)
 Two hours per week. Two credits.
Course Title: URD 565 URBAN FORM AND FUNCTION
Lecturer: Asst. Prof. Dr. İpek Özbek Sönmez

Prerequisites: None

Aims:

Various types of urban form and settlement patterns have emerged throughout history. The aim of this course is to discuss different theories related to different urban forms. The course also covers functioning of cities; and factors influencing urban spatial structure over time. It also attempts to cover the history of urban development, the role of specific formative designers of cities (e.g., Hippodamus, L'Enfant, Olmsted, Burnham, Le Corbusier)



- Utopian Responses to Industrialization :
 Garden Cities,
 New Towns
- Effects of virtual communities and other cultural issues on urban form
- Natural environment and urban form relations

Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

The course consists of **60** working hours per semester. (**28** Hours for supervised study and classes, **32** hours for individual study)

Teaching and Supervision:

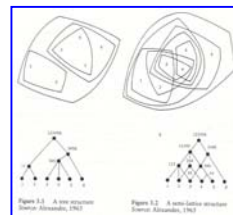
These are in the form of lecture input, reading, independent study, presentation, discussion.

Assessment:

Mid-Term paper submission: 40 %
 Final-Term paper submission: 60 %.

Contents:

- Theories of Urban Form
- The Cosmic City Model:
 Cosmological Beliefs and City Form
 Debates about the origins of cities.
- The Functional City Model :
 Pre-Historic Grid Towns: Greek and Roman
 Towns in Anatolia;
 The capitalist city model and gridform;
 Modernist Cities
 PostModernism and Mega Cities
- The Formalist Model:
 The Baroque city: Rome;
 The Renaissance City;
 “The City Beautiful” tradition.
- Organic Model:
 The nature of Organic form.
 Ancient Rome:
 Towns in Anatolia;
 Islamic Cities;
 Informal settlements



(2+0)

Two hours per week. Two credits.

Course Title: URD 575 INTERNAL STRUCTURE OF THE CITY

Lecturer: Asst. Prof. Dr. Hayat Zengin Ünverdi

Prerequisites: None

Aims:

This course intends to realize specific analyses that will maintain the ability to understand, therefore decipher the internal structure of cities. Within such a framework, all sort of structuration that come forth physically in cities will be regarded as the input of the course in context of different scales and different uses. Further discussion will be held on the economical, political or social processes determining the spatial structures for they aid in reading/deciphering the basic causalities of the mentioned formations.

The spatial patterns developing via different uses on the entire urban space from scale of the entire city down to its different pieces will be considered in context of existing tendencies of development on the one hand and the guiding planning/design activities on the other. Within this framework, large-scale urban design implementations as projects determining the internal spatial structures of cities will be considered.

Contents:

- Evaluation of fundamental components determining the physical formation of urban structure
- Parameters determining the physical formation of urban structure; economical, political and social processes.
- Urban infrastructure and its impacts upon physical development
- Analysis in terms of form and functions of city centres.
- Evaluation of non-residential areas of the city
- Evaluation of residential areas of the city
- Evaluation of urban activities in context of public and open spaces
- The rural-urban fringe as a district of the city
- Large-scale Urban Design Projects and planning applications that shape urban form.

Key Skills:

The ability to work independently (self-study).

Range and Structure of Course:

The course consists of **56** working hours in a semester. (**28** Hours for supervised study and classes, **14** hours for individual study, **14** hours for production and feedback.)



Teaching and Supervision:

These are in the form of reading, field survey, discussion, presentation, individual or group study, seminar, case study.

Assessment:

Midterm Exam 40 %,
Final Exam 60 %.

(2+0)
 Two hours per week. Two credits.
Course Title: URD 576 DESIGN OF CITY CENTERS
Lecturer: Asst. Prof. Dr. Hayat Zengin Ünverdi

Prerequisites: None

Aims:

This course focuses on study of historical evolution of city centers, traditional and modern centers, activities in city centers, activity linkages, characteristics of the city core, spatial structure of city centers, problems and trends in processes of change in city centers. Within such a context, the course intends to reveal the changing context of city centers throughout history. In this respect, the course deals with the city center as a structure, which is determined by change, but which, at the same time, is one of the fundamental dynamics that cause change.



Contents:

- Theoretical approach to the Centre of Cities. A general approach to the concept of city center and a detailed consideration of the concept of city center.
- The changing context of city centers throughout history. City centers that are to restructure in context of the changing character of cities. A look at world experience.
- Analysis of the phenomenon of modern city centers in terms of their functions and forms.
- Transition from the modern city center to the post modern city centers. Discussions on the world experience.
- Planning models for city centers and strategies to provide for available space within the center.
- Consideration of the city centers in context of the different tools of planning (conservation, renewal and redevelopment)
- Evaluation of city centers in terms of urban public life. The context of being a place of transition. Discussions of different experiences on national and international scales.

Key Skills:

The ability to work independently (self-study).

Range and Structure of Course:

The course consists of **56** working hours in a semester. (**28** hours for supervised study and classes, **14** hours for individual study, **14** hours for production and feedback)

Teaching and Supervision:

These are in the form of reading, field survey, discussion, presentation, individual or group study, seminar, case study.

Assessment:

Midterm Exam 40 %,
 Final Exam 60 %.

(2+0)

Two hours per week. Two credits.

Course Title: URD 588 AESTHETICS, SPACE AND URBAN DESIGN

Lecturer: Asst. Prof. Dr. Şebnem Gökçen Dündar

Prerequisites: None

Aims:

This course aims at deepening the discussions held on aesthetics of urban space so far (i.e. during their undergraduate level studies) and providing for a broader perspective on the field of aesthetics.

The departure point will be the modes of perception and historical and cultural influences. The scientific load of knowledge will then be enriched with analysis of visual characteristics and aesthetic qualities of physical environments.

The aesthetics of the urban environment will have to be reviewed with particular emphasis placed on critics in terms of urban quality and design control approaches.

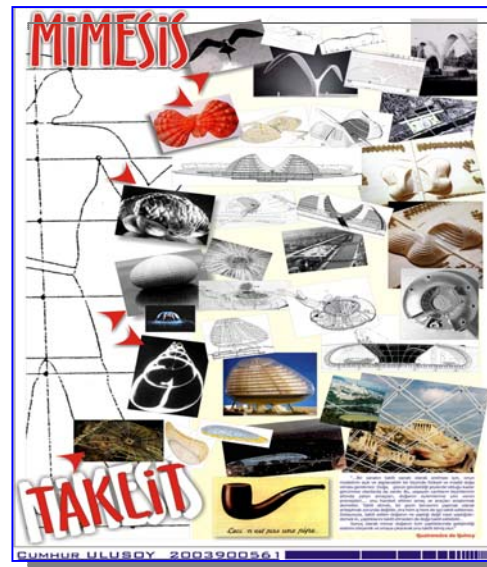
Examination of different factors influencing the aesthetics of urban space will be discussed. In the final run, the students will have been provided with an insight into such an aesthetical approach that encounter the requisites of reality.

Contents:

- Concepts :aesthetics as a scientific field, formation of the aesthetical taste; aesthetic values, beauty (venustas); firmness (firmatias); functionality (utilitas)
- Relation of aesthetics with the concept of space: design dimensions and design factors in urban design
- A Historical Perspective on Aesthetics of Urban Space: evolution of aesthetical values in history; aesthetics of Modernism; aesthetics of Postmodernism
- Urban Quality : critics of “total quality” approaches; what urban design is set to compensate
- Design Control and Aesthetic Standards :discussions on design control; a critical approach to setting the standards
- Challenges of the current time and relations to urban aesthetics: discussions on the current practice, its impasses and possible solutions
- In-class student presentations of given texts and urban policies from an aesthetical perspective

Key Skills:

These are: the ability to work independently (self-study), creative oral and written presentation skills, academic forms of work.



Range and Structure of Course:

The course consists of 60 working hours per semester. (28 Hours for supervised study and classes, 32 hours for individual study)

Teaching and Supervision:

These are in the form of lecture input, reading, independent study, presentation, discussion.

Assessment:

Draft paper submission 20% ;In-class presentations 20%; Final submission of paper 60%.

The students will be assigned to make a detailed research on either an analysis of a given text or an urban policy with regard to urban aesthetics. The in-class representations will further be developed in the light of class discussions and be submitted as a more comprehensive final report. The students will be asked to relate their knowledge on aesthetics with the practice of urban design.

(2+0)

Two hours per week. Two credits.

Course Title: URD 591 COMPUTER AIDED DESIGN

Lecturer: Asst. Prof. Dr. Tuğrul Kırmızı

Prerequisites: None

Aims:

The objective of the course is to enable the students of planning to make use of personal computers for their professional needs. After a short but brief introduction on the system, hardware and software, some basic concepts and terminology, the emphasis is given to hands-on teaching. As the student goes into the above mentioned hands-on training and works through the on-line tutorials, he will be exposed to the advanced aspects of computing. The coverage is detailed enough to give the student a good hands-on understanding of computing methods for planning.

Contents:

The course covers the following issues:

- Introduction to CAD-CAM and as a concept.
- Learning CAD-CAM principles and basic aspects while designing.
- Basic commands, advanced commands, interactive relations between different program

packages, simplified CAD-CAM database structures, modeling and imaging in 3D.

- Programming & Customising

Key Skills:

Analytical skills, visual presentation skills.

Range and Structure of Course:

The course consists of **70** working hours per week. (**28** Hours for supervised study and classes, **7** hours for individual study, **7** hours for production and feedback, **28** hours for independent/group design/project work)

Teaching and Supervision:

Reading, presentation, individual & group study, lecture, studio.

Assessment:

Two Mid Term examinations will be averaged and affect the grade by 50 %. Final exam will be the 50 % of the resulting grade.



(2+0)

Two hours per week. Two credits.

Course Title: URD 592 URBAN DESIGN THEORIES

Lecturer: Asst. Prof. Dr. Şebnem Gökçen Dünder

Prerequisites: None

Aims:

This course is intended to provide students with an introduction to theories, concepts, methods and contemporary issues in urban space and its design. The objectives are to critically review theories, methods and concepts in urban design, and to familiarize students with the contextual framework underlying the practice of urban design starting from a retrospective point of view. Examination of urban design policies and recent accomplishments in design of particularly public spaces are also to be discussed in terms of different practices of different places.

Contents:

- Conceptual framework of space and its design
 - understanding urban space : dilemmas of space (hard space – soft space; place – space); time – space; public space – private space
 - understanding urban design : making of space; definitions of urban design; ambiguities of urban design
- Historical framework of urban design
 - theory of urban design throughout history: the European perspective; the Anglo-American perspective
 - retrospective analysis of urban design: an assessment of the pre- and post-modernist periods; relations with planning and architecture
- Manifestations of the “crisis”: the Gap
 - the theoretical context of overall crisis
 - the scientific reflections of crisis on spatial frameworks
- Urban design and current approaches
 - discussions on postmodernism and its relations with design of urban space : urban design as a compensation instrument (urban quality; whole – piece); revisiting the ambiguities

- reflections on solid space
- The future of planning and design
 - death of planning X victory of urban design
 - new approaches to save the profession
 - discussions on new theoretical frameworks of planning and urban design
- Theory and practice of urban design
 - discussions on new theoretical frameworks and their reflections on the practice of urban design, with specific reference to urban public spaces.

Key Skills:

These are: the ability to work independently (self-study), academic forms of work.

Range and Structure of Course:

The course consists of **56** working hours per semester. (**28** Hours for supervised study and classes, **28** hours for individual study)

Teaching and Supervision:

These are in the form of lecture input, reading, independent study, presentation, discussion.

Assessment:

Draft paper submission: 40 %
Final paper submission: 60 %.

The students will be assigned to make a detailed research for their final exam. The context of the assignment will be determined in relation with the public realm and infrastructure - the receptacle for civic life and the framework around which the rest of the urban setting develops. The students will be asked to relate the knowledge on theory of urban design they have obtained to the practice of urban places that will be determined during the term.



(2+0)
 Two hours per week. Two credits.
Course Title: URD 611 TOWNSCAPE
Lecturer: Asst. Prof. Dr. Hayat Zengin Ünverdi

Prerequisites: None

Aims:

Students of urban design need to have a good grasp of the various elements that altogether constitute urban projects. These are the elements of landscape as well as townscape which overlap on certain issues. Such elements are vegetation, street furniture, visual aspects of towns, use of water and others to name a few. Students are taught where and how such elements are used in design projects, i.e., principles concerned with their use. The course also aims to show students various examples via slides and other visual means.

Contents:

The course intends to cover the following issues:

- Delineation of the subject of study. Contents, significance, how knowledge is to be used in Project work.
- Urban Identity: components, discussions, elements, disputes. How urban design projects contribute to urban identity.
- Visual elements of the city: perception and its place in design (a brief summary), elements of Lynch, and relations to identity as well as to design.
- Use of water in urban design projects.
- Use of vegetation in urban design projects.
- Urban aesthetics. Definitions and its use in project work.
- Land form and grading: land plastics.
- Roads, paths, trails: design principles of communication networks.
- Urban accessories: monuments, bridges, infrastructure elements, etc.
- Urban space formation: squares, roads and other elements of space.



- Urban texture and questions related to conservation, design guides.
- Use of colour in towns, balance and variety in design
- The historical environment and conservation
- Integration of buildings, car parks, and activity spaces

- to the landscape.
- Summary of all courses covered and need for further work.

Key Skills:

The ability to work independently (self-study).

Range and Structure of Course:

The course consists of 28 working hours per semester. (10 Hours for supervised study and classes, 10 hours for individual study, 8 hours for group work)



Teaching and Supervision:

These are in the form of preparation for seminars, short field survey, discussion, presentation, individual study group study.



Assessment:

Term paper 40%
 Final exam 60%.

(2+0)

Two hours per week. Two credits.

Course Title: URD 615 URBAN RENEWAL

Lecturer: Prof. Dr. Emel Göksu

Prerequisites: None

Aims:

If spatial planning and urban renewal as one of its technical instruments, take some part to play in realization of a particular social design, the conditions of the context within which that process operates can be considered as the basic determinant.

Today, as modernism radicalizes itself, urban areas are on the threshold of new formations. Such developments imposed by the phenomenon of globalization are going to turn urban areas into control centres where decision making and orientation processes related with production takes place, rather than the places of production and circulation of goods.

Realization of such kind of transformation will not only change the ways of alteration of urban land use types, but also the functions within the city. In this course, discussion will be held on the transformation of cities through renewal in the process of globalization.



Contents:

- “Modernism” and Formations to be an Industrial Society
- Cost and Benefit Analysis Before and After Renewal
- Role of Property Capital in the Formation of the City
- Pressure Imposed on Cities by the Urbanization Model Indexed to Capital Accumulation

- Role of Urban Renewal in Spatial Transformation
- Role of Urban Renewal in Realization of Cultural-Social Identity Transformation
- Types of Urban Renewal, Economic Lifespan of Buildings
- Historical Quality and Authenticity of Historical Places
- International Approaches on Historical Areas and Techniques of Restoration
- Cases of Restoration in Turkey
- Legal Aspects of Conservation in Turkey
- Archeological Sites and Urban Archeology
- Legal Aspects concerning the Natural Sites

Key Skills:

These are: the ability to work independently (self-study).

Range and Structure of Course:

The course consists of **60** working hours per semester. (**28** Hours for supervised study and classes, **32** hours for individual study)

Teaching and Supervision:

lecture, reading, case study, individual study, presentation, discussion.



Assessment:

Mid-term 50%

Final 50%