

**FACULTY OF ARCHITECTURE**  
**DEPARTMENT of URBAN AND REGIONAL PLANNING**  
**UNDERGRADUATE CURRICULUM**

(C: Compulsory, E: Elective, CC: Common Compulsory, CE: Common Elective,  
 Preq: Prerequisite), (T:Theoretical, P: Practical, Cr: Credit)

<b>First Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(T-P)Cr.</b>	<b>ECTS</b>
PLN101	Planning Studio-I	C	(2-6)5	8.0
PLN111	Introduction to Urban and Regional Planning	C	(3-0)3	4.0
PLN141	Visual Communication Skills for Planners	C	(2-2)3	5.0
MATH131	Calculus for Planners	C	(3-0)3	4.0
LENG101	Freshman English-I	C	(4-0)4	5.0
TURK101	Turkish Language-I	CC	(2-0)2	2.0
GOS	Common Elective Course	CE	(1-1)0	1.0
TDP101	Social Awareness Projects-I	CC	(1-0)1	1.0
	<b>Normal Course Load Credit</b>		<b>18</b>	<b>30</b>
	<b>Semester Credit</b>		<b>21</b>	

<b>Second Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN102	Planning Studio-II	C/Preq.	(2-6)5	8.0
PLN112	City in History	C	(3-0)3	4.0
PLN113	Academic Reading and Writing	C	(3-0)3	4.0
PLN124	Computer Aided Design for Planners	C	(2-2)3	4.0
LENG102	Freshman English-II	C	(4-0)4	5.0
TURK102	Turkish Language-II	CC	(2-0)2	2.0
KRY100	Career Planning	CE	(0-2)0	1.0
TDP102	Social Awareness Projects-II	CC	(1-2)2	2.0
	<b>Normal Course Load Credit</b>		<b>18</b>	<b>30</b>
	<b>Semester Credit</b>		<b>22</b>	

<b>Third Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN201	Planning Studio-III	C/P	(2-6)5	8.0
PLN211	Urban Environment and Sustainability	C	(3-0)3	4.0
PLN213	Urban Transportation Planning	C	(3-0)3	4.0
PLN221	Introduction to Geographical Information System	C	(2-2)3	6.0
PLN231	Economics for Planners	C	(3-0)3	4.0
HIST201	Atatürk's Principles and the History of the Turkish Renovation-I	CC	(2-0)2	2.0
GME100	General and Professional Ethics	CE	(2-0)2	2.0
	<b>Normal Course Load Credit</b>		<b>17</b>	<b>30</b>
	<b>Semester Credit</b>		<b>21</b>	

<b>Fourth Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN202	Planning Studio-IV	C/P	(2-6)5	10.0
PLN212	Legal and Administrative Aspects of Planning	C	(3-0)3	4.0
PLN214	Urban Sociology	C	(3-0)3	3.0
PLN222	GIS Applications for Planners	C/P	(2-2)3	4.0
PLN232	Statistics for Planners	C	(3-0)3	4.0
HIST202	Atatürk's Principles and the History of the Turkish Renovation-II	CC	(2-0)2	2.0
PLN290	Planning Internship-I	C	(0-0)0	3.0
	<b>Normal Course Load Credit</b>		<b>17</b>	<b>30</b>
	<b>Semester Credit</b>		<b>19</b>	

<b>Fifth Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN301	Planning Studio-V	C/P	(2-6)5	12.0
PLN311	Planning Theory and Techniques	C	(3-0)3	6.0
PLN313	Urban Economics	C	(3-0)3	4.0
PLN315	Urban Politics	C	(3-0)3	4.0
	Elective Course*	E	( - )3	4.0
	<b>Normal Course Load Credit</b>		<b>17</b>	<b>30</b>
	<b>Semester Credit</b>		<b>17</b>	

<b>Sixth Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN302	Planning Studio-VI	C/P	(2-6)5	12.0
PLN312	Urban Conservation and Renewal	C	(3-0)3	4.0
PLN314	Contemporary Planning	C	(3-0)3	3.0
	Elective Course*	E	( - )3	4.0
	Elective Course*	E	( - )3	4.0
PLN390	Planning Internship-II	C	(0-0)0	3.0
	<b>Normal Course Load Credit</b>		<b>17</b>	<b>30</b>
	<b>Semester Credit</b>		<b>17</b>	

<b>Seventh Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN401	Planning Studio-VII	C/P	(2-6)5	16.0
PLN411	Regional Science and Planning	C	(3-0)3	6.0
	Elective Course*	E	( - )3	4.0
	Elective Course*	E	( - )3	4.0
<b>Normal Course Load Credit</b>			<b>14</b>	<b>30</b>
<b>Semester Credit</b>			<b>14</b>	

<b>Eighth Semester Course List</b>				
<b>Course Code</b>	<b>Course Name</b>	<b>C/E</b>	<b>(C-L)C</b>	<b>ECTS</b>
PLN402	Planning Studio-VIII	C/P	(1-8)5	18.0
	Elective Course*	E	( - )3	4.0
	Elective Course*	E	( - )3	4.0
	Elective Course*	E	( - )3	4.0
<b>Normal Course Load Credit</b>			<b>14</b>	<b>30</b>
<b>Semester Credit</b>			<b>14</b>	

\* Weekly theoretical/practical hours and ECTS of elective courses may vary.

## **ELECTIVE COURSE LIST**

PLN441 HOUSING AND SITE PLANNING  
PLN442 SUSTAINABLE TRANSPORTATION DESIGN  
PLN443 FUNDAMENTAL SMART CITY CONCEPTS  
PLN444 REAL ESTATE ECONOMICS  
PLN445 SPATIAL STATISTICS IN PLANNING  
PLN446 QUANTITATIVE TECHNIQUES AND METHODS FOR PLANNING  
PLN447 URBAN PROJECT MANAGEMENT  
PLN448 URBAN INFRASTRUCTURE SYSTEMS  
PLN449 URBAN GEOGRAPHY  
PLN450 LANDSCAPE URBANISM  
PLN451 PLAN IMPLEMENTATION TOOLS  
PLN452 URBAN RESTRUCTURING IN POST 1980s  
PLN453 INDUSTRIAL AREAS AND PLANNING  
PLN454 TOURISM AND PLANNING  
PLN455 RURAL PLANNING: PRINCIPLES AND PRACTICES  
PLN456 REGIONAL PLANNING WORKSHOP  
PLN457 SEMINAR IN SELECTED URBAN POLITICAL ISSUES  
PLN458 URBAN HOUSING  
PLN459 URBAN MORPHOLOGY  
PLN460 PLANNING COMMERCIAL AREAS  
PLN461 INFILL PROBLEMS IN URBAN HISTORIC SITES  
PLN462 URBAN INTERIOR  
PLN463 CITIES AND ARCHITECTURE  
PLN464 ENVIRONMENT AND AESTHETICS  
PLN465 PUBLIC SPACE DESIGN  
PLN466 PLACE, IDENTITY AND MIGRATION  
PLN467 DISADVANTAGE GROUPS IN URBAN PLANNING  
PLN468 DISASTER MITIGATION IN URBAN PLANNING  
PLN469 URBANISATION AND SPATIAL CONCEPTS OF CRIME  
PLN470 SOCIAL INEQUALITY AND PLANNING  
PLN471 SOCIOECONOMIC GIS  
PLN472 REMOTE SENSING FOR PLANNERS  
PLN473 ADVANCED 3D MODELLING FOR PLANNING  
PLN474 AUGMENTED REALITY AND PLANNING APPLICATIONS  
PLN475 DIGITAL COMMUNICATION  
PLN476 MULTI CRITERIA DECISION MAKING WITH GIS  
PLN477 ARTIFICIAL INTELLIGENCE FOR PLANNERS  
PLN478 LIDAR BASED 3D MODEL CREATION FOR CITIES  
PLN479 URBAN UTOPIAS AND DYSTOPIAS  
PLN480 CINEMA AND SPACE  
PLN481 PROFESSIONAL ENGLISH FOR PLANNERS  
PLN482 URBAN PHOTOGRAPHY  
PLN483 MODERN HOUSING AND URBAN DISTRICTS  
PLN484 ADAPTIVE HERITAGE REUSE: POLICY AND PRACTICE  
PLN485 HISTORY OF ART AND CULTURE  
PLN486 REGIONAL DEVELOPMENT AND CREATIVE INDUSTRIES  
PLN487 LOCATION THEORY  
PLN488 URBAN DESIGN

## COMPULSORY COURSES

### PLN101 PLANNING STUDIO-I

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	8.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	First Semester
<b>Prerequisite</b>	:	-

#### **Course Content:**

The aim of PLN 101 studio is to help students to develop the notion of abstract thinking, attain an ability of representation, develop design skills and appropriate design language in order to develop basic design skills and visual culture. Exercises offered in the studio try to enable students to get acquainted with various concepts concerning order, balance, positive-negative values, three-dimensional representation etc.

### PLN111 INTRODUCTION TO URBAN AND REGIONAL PLANNING

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	First Semester
<b>Prerequisite</b>	:	-

#### **Course Content:**

This course introduces students to the basic tools in planning, historical and contemporary discussions, and also provides an overview of the planning of cities and regions. It aims to provide an introduction to understanding the urbanization process, its components, context and ways of intervention to urbanization problems by providing a historical and critical view. It also explains planning as a general system, the urban planning process and its stages.

## **PLN121 VISUAL COMMUNICATION SKILLS FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	First Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

The course covers basic elements of design (line, form, color, texture, shade), basic and complex geometries, object/product geometry and the form drawings. Students work on the relationship of human-object- environment and topography. Subjects include; isometric and artistic perspective, collage, visualization, principles of projection, parallel, perpendicular and oblique projection techniques and sections and elevations. Students are expected to understand basic graphical elements and composition. Students learn to use technical drawing media, tools and equipment. The technical drawing section includes line types, lettering, fundamentals of dimensions, markers and symbols and scale.

## **PLN102 PLANNING STUDIO-II**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	8.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Second Semester
<b>Prerequisite</b>	:	PLN101

### **Course Content:**

PLN102 is designed to enable students to use the abilities gained in abstract basic design thinking in real situations, that is, space-mass relations, topography, location analysis, movement patterns, hierarchical organization, and they are expected to develop methods of problem definition, formulation, analysis, and design.

## **PLN112 CITY IN HISTORY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Second Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

General introduction to the development of cities throughout world history, theoretical and methodological problems in historical analysis of cities and urbanization, and a discussion of dynamics in shaping urban centers from the Early Bronze Age through the 21st century.

## **PLN113 ACADEMIC READING AND WRITING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Second Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

In the course students will develop essential (re)search, reading and writing skills necessary in an academic setting. It introduces a foundational understanding of the organization of ideas in common types of academic texts, as well as the skills needed to communicate effectively to the reader. Students will engage with and understand how to read and process information from sources. They will learn the basics of close reading and learn how to assess reading content in terms of accuracy, authority, and relevance. Proper citation rules will be discussed, as well as basic library and research skills.

## **PLN124 COMPUTER AIDED DESIGN FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (1-2)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Second Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims teaching students CAD systems for using at zoning and planning studies. Objectives of course are as follows. Recognizing the basic concepts in computer aided map and plan drawing, learning the use of one of the CAD Programs (Netcad or Autocad) and developing application practice. Gaining the ability to realize 2D drawings in digital environment.

## **PLN201 PLANNING STUDIO-III**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	8.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Third Semester
<b>Prerequisite</b>	:	PLN102

### **Course Content:**

The aim of this course is to introduce students with the basics of site planning and its details for a settlement in a neighborhood size. These basics include (I) analysing a settlement on a selected site and its environment with geographical, topographical and climatic features and socio-economic structures; (ii) Planning and designing a new neighbourhood on that site with its required land uses, population density, building typologies and size, transportation systems, infrastructure and other urban features according to a set of “settlement scenarios” and (iii) developing plans and projects at the scales that vary from building to neighborhood of this new settlement.



## **PLN211 URBAN ENVIRONMENT AND SUSTAINABILITY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Third Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

The course focuses on some of the most relevant issues and challenges facing cities world-wide: how cities can achieve sustainability from a social, economic and environmental perspective, what are the most innovative initiatives being undertaken to foster smart cities, how to implement effective and efficient climate change adaptation and mitigation actions, and how can cities achieve a higher level of resilience.

## **PLN213 URBAN TRANSPORTATION PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Third Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

This course examines the planning, principles and policies of transportation systems in urban areas. Relationship between land use and transportation. Urban transportation systems and transportation planning. Relationship between transportation, urban systems and the form. Modelling in transportation planning. Urban transportation design principles; traffic management; traffic demand; traffic flow; sustainable transportation design; accessibility; pedestrian, bicycle, public transportation modes; car park design.

## **PLN221 INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEMS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	6.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Third Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims to provide the students with fundamental concepts of Geographic Information Systems (GIS). During the course, the methods of data input, output, and editing operations are described. Database Management Systems (DBMS), their significance and usage are addressed. Representation and organization of spatial data are emphasized. Topology and its role in GIS analysis operations are provided. After describing fundamental GIS terms, course continues with applying common GIS operations and analyses via preferred GIS software.

## **PLN231 ECONOMICS FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Third Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

This course is an introductory course that aims to provide students economic concepts, theories and analytical techniques. It considers both microeconomics - the study of the economic behavior of decision-makers (households and firms) - and macroeconomics - the study of the economy as a whole. The course develops a theoretical framework for economic analysis and its application to understanding contemporary issues of economics.

## **PLN202 PLANNING STUDIO-IV**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	10.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fourth Semester
<b>Prerequisite</b>	:	PLN201

### **Course Content:**

Based on strategic spatial planning approach; 1. Identification of spatial dynamics in a settlement: settlement systems and hierarchy, transportation network and connections, land uses, social, economic and environmental characteristics. 2. Determination of cross-sectoral relationships and spatial impact; defining the techniques and problems representing social, environmental and economic structure. 3. Discussion of vision: Utilization of strategic decision making methods with the consideration of social, organizational bodies and legal framework.

## **PLN212 LEGAL AND ADMINISTRATIVE ASPECTS OF PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fourth Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

A broad theoretical approach on the subject of the administrative and the organizational approach to the process of planning. A review of legal concepts in Turkish legislative and administrative systems. Study of the urban planning process in relation to central and local governments. Evaluation of planning and development laws, by-laws and regulations and their usage.

## **PLN214 URBAN SOCIOLOGY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	3.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fourth Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

Sociology as a discipline, concepts and terms relevant to urban dynamics, classical theories of sociology, problems of urban sociology, socio-spatial problems, urbanization, industrialization, globalization, urban restructuring, uneven development, urban poverty, migration, housing question, new urban policies.

## **PLN222 GIS APPLICATIONS FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fourth Semester
<b>Prerequisite</b>	:	PLN221

### **Course Content:**

The main purpose of the course is to provide a knowledge and skill infrastructure for the active use of Geographic Information Systems (GIS) in the city and regional planning discipline. Within the scope of the course, geographical database design, working with layer architecture in plan design and spatial decision-making processes will be discussed in detail. In addition, multi-criteria decision making, advanced geographic analysis-inquiries are shown to students in a practical way.

## **PLN232 STATISTICS FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fourth Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

The role and use of statistical methods in the study of urban and regional issues. The course will cover elementary statistics, applicable methods of probability, descriptive statistics, inferential statistics, estimation, hypothesis, testing, regression analysis and the use of microcomputer statistical packages.

## **PLN290 PLANNING INTERNSHIP-I**

<b>Credit (Theoretical-Practical hours/week)</b>	:	0 (0-0)
<b>ECTS Credit</b>	:	3.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The aim of the internship is to develop the student's planning and design skills, while allowing them to see their planning and applications on the field and gain experience. Students will gain applied knowledge on subjects such as research reports, field studies, analyzes and / or planning studies in different scales, landscaping, collective housing area design, regarding planning studies to be carried out within public institutions and organizations or private planning offices.

### **PLN301 PLANNING STUDIO-V**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	12.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fifth Semester
<b>Prerequisite</b>	:	PLN202

#### **Course Content:**

Evaluation of dynamics of urban change and development at the regional level, collection of data on socio-economic, natural and built environment at regional and urban scale, data analysis, assessment of data analyses, synthesis of data, development of scenario alternatives, identification of principles, strategies and policies that will direct urban change and development, evaluation of legal, administrative and institutional framework, production of an urban plan with alternatives.

### **PLN311 PLANNING THEORY AND TECHNIQUES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fifth Semester
<b>Prerequisite</b>	:	-

#### **Course Content:**

Planning theories which emerged in the twentieth and twenty first centuries and the relevance of these perspectives in planning practices. Changing paradigms of spatial organization after 1980s and theoretical debate related to these paradigms. Development of planning idea and thought, planning processes, planning techniques. Debate on planning methods based on current thoughts.

### **PLN313 URBAN ECONOMICS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fifth Semester
<b>Prerequisite</b>	:	-

#### **Course Content:**

Economic theory and purposes of urban planning; functions of urban planning in market economies. Formation and distribution of value in the physical environment; approaches in the explanation of rent relations; measurement of value in urban land and property. Behavioral patterns in property markets; investment, development, renewal and rehabilitation decisions. Planning decisions to monitor values and behavior in property markets; implications of development rights, tenure forms, rent control and other channels of control.

### **PLN315 URBAN POLITICS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Fifth Semester
<b>Prerequisite</b>	:	-

#### **Course Content:**

The course is designed to familiarize students with the political context of urban policies and restructuring, as well as conflicts/alliances among political actors (i.e. social classes, interest groups, etc.) over urban space. The change of planning paradigm is examined within the framework of contemporary urban development dynamics, and the current planning systematic in Turkey is evaluated with a critical approach. In addition, innovative tools and their conceptual bases are discussed with reference to the experiences of developed countries.

## **PLN302 PLANNING STUDIO-VI**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	12.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Sixth Semester
<b>Prerequisite</b>	:	PLN301

### **Course Content:**

Determination of action areas in present and development areas according to 1/5000 scale strategic plan decisions, determination of scenario alternatives, evaluation of legal frame work and the planning and design of housing, recreation, facilities and functional areas.

## **PLN312 URBAN CONSERVATION AND RENEWAL**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Sixth Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

An introduction to cultural and natural property preservation emphasizing to historic urban texture, review of legal and administrative aspects in conservation, examination of local and international regulations, charters, declarations, and native and foreign governmental and non-governmental organizations, discussions on design criteria of cases in the preserved historic urban environment, development of urban conservation concept, transformation, conservation, renewal, improvement concepts in the context of planning, problems and constraints, case studies in Turkey, case studies around the world.



## **PLN314 CONTEMPORARY PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	3.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Sixth Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims at familiarizing the students with current and emerging issues in urban and regional planning and giving them an opportunity to discuss problems and prospects. The course covers such topics as: Sustainability principles, adaptive planning, urban resilience and spatial dynamics, technology in planning, new tools and techniques, changing scale of urban planning, pros and cons of current issues of planning and design, case studies in Turkey, case studies around the world.

## **PLN290 PLANNING INTERNSHIP-II**

<b>Credit (Theoretical-Practical hours/week)</b>	:	0 (0-0)
<b>ECTS Credit</b>	:	3.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The aim of the internship is to develop the student's planning and design skills, while allowing them to see their planning and applications on the field and gain experience. Students will gain applied knowledge on subjects such as research reports, field studies, analyzes and / or planning studies in different scales, landscaping, collective housing area design, regarding planning studies to be carried out within public institutions and organizations or private planning offices.

## **PLN401 PLANNING STUDIO-VII**

<b>Credit (Theoretical-Practical hours/week)</b>	:	5 (2-6)
<b>ECTS Credit</b>	:	16.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Seventh Semester
<b>Prerequisite</b>	:	PLN302

### **Course Content:**

Analytical and planning studies of a metropolitan city or region are conducted in the fourth year planning studio that concentrates on thematic or place-bound problematics of the city in focus. After analytical studies, diverse groups work on different problems (center, housing, image and many other components) of the city under scrutiny to gain further skills in the use of planning and implementation tools, economic analyses, social problems, urban engineering or urban design.

## **PLN411 REGIONAL SCIENCE AND PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	6.0
<b>Compulsory/Elective</b>	:	Compulsory
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	Seventh Semester
<b>Prerequisite</b>	:	-

### **Course Content:**

Content Conceptual basis of regional planning. Regional planning context. Regional change. Spatial structure of regions. Central place theory. Theory of growth poles. Regional growth and development. Regional analysis. Regional Planning Theories. Regional planning techniques. Regional planning implementations.

## **PLN402 PLANNING STUDIO-VIII**

<b>Credit (Theoretical-Practical hours/week)</b>	<b>: 5 (1-8)</b>
<b>ECTS Credit</b>	<b>: 18.0</b>
<b>Compulsory/Elective</b>	<b>: Compulsory</b>
<b>Level of Study</b>	<b>: Undergraduate</b>
<b>Offered Semester</b>	<b>: Eight Semester</b>
<b>Prerequisite</b>	<b>: PLN401</b>

### **Course Content:**

Analytical and planning studies of a metropolitan city or region are conducted in the fourth year planning studio that concentrates on thematic or place-bound problematic of the city in focus. After analytical studies, diverse groups work on different problems (centre, housing, image and many other components) of the city under scrutiny to gain further skills in the use of planning and implementation tools, economic analyses, social problems, urban engineering or urban design.

## **ELECTIVE COURSES**

### **PLN441 HOUSING AND SITE PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	
<b>Prerequisite</b>	:	-

**Course Content:**

Problems related to housing and the quality of residential development are some of the basic issues on the agenda of rapidly urbanizing countries. Sensitive site analysis and design are the prerequisites for sustainable environmental quality. This course will concentrate on both site planning/design techniques and housing systems to solve housing problems.

### **PLN442 SUSTAINABLE TRANSPORTATION DESIGN**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

**Course Content:**

Introduce planning and design principles, techniques, and examples for achieving sustainable transportation; transit-oriented development, neo-traditional design, traffic calming, non-motorized travel, and smart growth; car sharing, parking pricing, location efficient mortgage, and alternative vehicles and fuel technologies.

## **PLN443 FUNDAMENTAL SMART CITY CONCEPTS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Necessity of urban innovation, the status of Smart City Development (SCD) in the world, Basic topics + SCD fundamentals, city as a system of systems, city process change, city as an enterprise, SCD readiness assessment, introduction to city and technology, related concepts: digital city, digital twins, sustainability, case studies in Turkey, case studies from developing and developed cities.

## **PLN444 REAL ESTATE ECONOMICS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims to teach the student with the basic concepts of engineering economics, finance mathematics, real estate and its related market analysis and appraisal. The content of the course is arranged to give basic ability to analyze the characteristics of real estate, its investors and its market.

## **PLN445 SPATIAL STATISTICS IN PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course includes; descriptive spatial data analysis, analysis of spatial data distributions, comparison of data distributions, testing of distribution statistics, analysis of data trends. Identifying and comparing forecasting models. Spatial clustering and density analysis. Measurement of dispersion and distribution; measurement of the relationship analysis by using GIS tools. Course also aims teaching surface analysis methods such as Kriging, Kernel or inverse distance-weighted (IDW) interpolation model.

## **PLN446 QUANTITATIVE TECHNIQUES AND METHODS FOR PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course will focus on various types of techniques, methods and models used to analyse urban and regional policy, including the techniques for decision analysis, methods of forecasting, models related with location and travel behavior, land-use models; methods and models for forecasting the regional income and employment.

## **PLN447 URBAN PROJECT MANAGEMENT**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course aims to enable the student to scrutinize a problem, organize its solutions, budgetize and program its implementation within a project through introducing concepts and terms relevant implementation of Urban Project Management.

## **PLN448 URBAN INFRASTRUCTURE SYSTEMS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Elements of urban infrastructure, systems of water, sewage and solid waste. Establishing the infrastructure demands of a region, city or site and methods for serving these demands. Integration of planning infrastructure systems to city planning process.

## **PLN449 URBAN GEOGRAPHY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The aim of this course is to acquaint the students with the general concept and context of urban geography and to enable them not only to grasp the theoretical implications as spatial dimension of the urban pattern but also to underline the links with the abstract socio-economic space. The course also aims to lay down the urban spatial basis for reinterpretation of subjects taken up in economic, social and political courses in urban context, in inter-urban system of cities and also intra-urban analysis involving processes going on in cities.

## **PLN450 LANDSCAPE URBANISM**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The objectives of this elective course are to introduce recent topics in contemporary landscape architecture by focusing the theory of landscape urbanism. The course includes the issues namely; landscape urbanism themes and context, historical development of the theory, Landscape Approaches in New Urbanism and Green Urbanism, Ecological Urbanism and Integral Urbanism, Ecology and Environment (Themes and Context), Concept of Ecosystem Services and Urban Environment, Operational Landscapes (Nature, Infrastructure and Urban Conditions, Land, Water and Vegetation, Wetland Regeneration, self-engineering ecologies, Microclimatic Strategies, Waste Landscapes, and Recovery.



## **PLN451 PLAN IMPLEMENTATION TOOLS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Within the scope of this course, the tools, methods and programs used in planning applications in Turkey are examined. Planning systematics in Turkey and the problems encountered in the implementation of plans are also among the topics of the course. In the next stage, the implementation tools in Turkey, the scope of these tools, the implementation methods and what should be considered in the implementation of these tools are explained in a practical way.

## **PLN452 URBAN RESTRUCTURING IN POST 1980s**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course examines how “the city” and urban planning and development issues, policies and practices that we know have been changing within relation to economic and political restructuring worldwide especially since 1980s. It critically identifies the cases to describe (i) how the physical, demographic and social structures of the city; (ii) the issues and scales of urban planning, development and policies; and (iii) the concerns, role and influence of urban planners have shifted under the influences of neoliberal trends in post-1980s.

## **PLN453 INDUSTRIAL AREAS AND PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course explains the development of industrial areas within the framework of theoretical and current developments, conveys the basic concepts, provides a vision about the future of the industry, industry 4.0 and urban challenges. The course also aims to examine the spatial structure of industrial areas, transformation of industrial space, land use planning approaches in industrialization/deindustrialization processes.

## **PLN454 TOURISM AND PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Definitions and concepts; Tourism system components; Tourism development stages and factors influencing on tourism development; Spatial concentration of tourism activities and characteristics; Natural and cultural resources; Interaction between tourism and environment, economic, social and environmental impacts of tourism; Sustainable tourism and its components, carrying capacity; Tourism and environment policies; Tourism planning; Coastal tourism; Urban Tourism; Alternative tourism; Tourism development and issues in Turkey and the cases from other countries.

## **PLN455 RURAL PLANNING: PRINCIPLES AND PRACTICES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims to transfer the role of rural areas in the settlement layout and providing rural planning with practices and results in Turkey and developed and developing countries. Structure and settlement order of rural areas in Turkey, regional planning of rural areas and rural development, rural problems -rural development policies, current rural development policies and administrative approach, rural and agricultural organization, sustainable rural development and planning.

## **PLN456 REGIONAL PLANNING WORKSHOP**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (1-4)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims to equip students with appropriate methods of data collection and analysis in a regional planning study, for the purposes of developing a regional planning strategy. Each year small group field work will be introduced for applying principles and techniques of economic development planning and policy analysis to specific problems in selected regions, or sub-regions. It may focus on different planning issues and problems that combine several of the topics.

## **PLN457 SEMINAR IN SELECTED URBAN POLITICAL ISSUES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Seminar course around the contemporary topics in urban political context. Aim of the course is to concentrate student's previous knowledge on different urban issues, to re-examine and evaluate the current urban problems of our cities by using the frameworks developed by urban political theories and to test the relevance and the validity of different paradigms in this context. Students are supposed to define and problematize the urban issues from policy and politics point of view.

## **PLN458 URBAN HOUSING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Definitions. Concepts. Theories. Historical overview of housing phenomenon. Housing Problem and its magnitude. Demand and Supply. Housing policies in the world. Housing policies in Turkey. Spatial effects of housing policies. National and International Examples. Discussions. Proposals for the future.

## **PLN459 URBAN MORPHOLOGY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Definition of urban morphology, related concepts: urban morphology, urban form, urban pattern, Evolution of urban form, Urban growth and morphology, Factors that form the city; effects of natural, technological, economic and social conditions; factors that reshapes the city, Effects of urban form on social and economic development, Globalisation effect on urban form, Sustainability of urban form, Discussion about the future of urban form.

## **PLN460 PLANNING COMMERCIAL AREAS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Commercial activities, general definitions and development in history; commercial specialization urban centers through history, location preferences, factors, analysis, and principles of commercial areas, urban development functions and commerce; hierarchy of commercial areas, physical planning and commercial areas, supply chain and logistics, globalism and spatial repercussions, birth of –suburban-shopping centers.

## **PLN461 INFILL PROBLEMS IN URBAN HISTORIC SITES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Typologies of buildings, groups of buildings and characteristics of streets, blocks, lots of various examples of historic centers. The main principles and data which must be taken in consideration for the construction of new buildings in dense historic areas. International decisions related to these principles. Discussions on the European examples of different important approaches. New buildings in historic centers and their evaluation.

## **PLN462 URBAN INTERIOR**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Definition of inside and outside relations in interior architectural design; notions of urban interiors; spatial hierarchies and thresholds; characteristics and typologies of urban interiors; urban atmospheres and elements; analysis tools, methods and design evaluations of urban interiors; environmental perception and cognition, personal space, privacy, intimacy; contemporary urban interior case studies; new concepts in urban interiors design and sustainability within the field.

## **PLN463 CITIES AND ARCHITECTURE**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The basic content of the course is the discussions about the place of architecture in the city and the city in architecture. Firstly, what the city is and how it is defined by various people is examined. The acts and methods of observation, reading, deciphering for understanding the city; urban experience, various representations of experience are among the subjects of the course. The spatial design of cities and the design principles that are utilized are explored by examples. Urban transformation, transformation strategies and iconic structures of the city are discussed. Modernist architecture, visionary architecture, holistic narratives, urban and architectural utopias are also some of the topics.

## **PLN464 ENVIRONMENT AND AESTHETICS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Concepts of environment and aesthetics; environmental aesthetics; aesthetics and perception; aesthetic value; society and aesthetics; nature and aesthetics; space and aesthetics; urban aesthetics; design action, measurement methods.

## **PLN465 PUBLIC SPACE DESIGN**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This undergraduate course discusses the design and policy issues of public realm. The course investigates visual, social, functional, morphological and managerial aspects of urban public spaces. In this context, the emphasis is given to spatial design, design methods and techniques, and related theories on public realm.

## **PLN466 PLACE, IDENTITY AND MIGRATION**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The major themes concern place, identity and migration. There will be emphasis on how migration influences and impacts place, identity and social change. The course uses local and international examples to discuss how societies are formed, accepted, maintained and contextualized as a result of interactions between people and places. Students are encouraged to think critically about how our relationships with identity and place change over time and in different spaces by using different media and literature sources.



## **PLN467 DISADVANTAGE GROUPS IN URBAN PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course aims to explore the intersection of planning as it relates to the adverse effects of sexism, racism, and globalization. The course covers discussions on planning that sensitive to disadvantaged groups in cities, visibility of woman, child, elder, disabled people in urban areas, woman-friendly urban planning and design, child-friendly urban planning and design, woman-friendly urban planning and design, elder-friendly urban planning and design, disabled-friendly urban planning and design, problems and issues in this context, case studies in Turkey, case studies around the world.

## **PLN468 DISASTER MITIGATION IN URBAN PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

This course contains basic disaster related definitions and terms, different natural hazards which effect urban settlements, strategies to mitigate the effects of different disasters, legal and administrative tools for mitigation and additionally, the course discusses the interaction between sustainable urban planning and disaster mitigation and how to build building disaster resilient communities.

## **PLN469 URBANISATION AND SPATIAL CONCEPTS OF CRIME**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The main aim of this course is to examine the spatial dimensions of criminal events. Whether the plan functions defined in the urban planning process will have an increasing or decreasing effect on the occurrence of crime events will be examined. Information will be given about crime reduction urban design approaches, which is an important component of the resilient cities concept.

## **PLN470 SOCIAL INEQUALITY AND PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

How are inequalities produced and contested in an urban environment? This course examines this question by analyzing how the urban landscape shapes and is shaped by race, class, and gender inequalities. Uses comparative cases to explore successful intervention, both from formal and informal, across multiple scales from the local to the global.

### **PLN471 SOCIOECONOMIC GIS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (1-4)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

**Course Content:**

An advanced GIS course addressing the collection, management, analysis, and interpretation of spatial social, economic, housing, and demographic information. Investigating historical and current aspects of societies via current digital technologies.

### **PLN472 REMOTE SENSING FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

**Course Content:**

The aim of this course is to explain the basics of remote sensing, to determine how information is obtained from satellite images and aerial photographs and how to interpret them, to inform about image analysis and to show how remote sensing data can be used in urban and regional planning applications.

### **PLN473 ADVANCED 3D MODELLING FOR PLANNING**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

#### **Course Content:**

In this course, the basic principles of 3D modeling science and its use in planning processes are explained practically. The aim of the course is to enable students to use 3D digital platforms effectively and provide visual support to plan decisions at the planning stage.

### **PLN474 AUGMENTED REALITY AND PLANNING APPLICATIONS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

#### **Course Content:**

The aim of this course is to understand the applications of augmented reality technology in the field of urban planning by the students. During the course, students will be taught how cities that are in the planning phase, where construction activities have not started, can be transferred to professionals and citizens with up-to-date technologies.

## **PLN475 DIGITAL COMMUNICATION**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course focuses on 2D drafting, 3D modeling and digital representation techniques in architectural representation techniques. For this purpose Autocad, Rhino, Photoshop and Illustrator will be used for understanding necessary digital drawing, modelling and presentation tools.

## **PLN476 MULTICRITERIA DECISION MAKING WITH GIS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3(2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The aim of this course is to understand how multi-criteria decision-making processes can be integrated into location selection processes in urban and rural areas with GIS integration. Within the scope of the course, working with multi-layered structures, raster data-based work, scoring and AHP, etc. methods will be discussed in detail.

## **PLN477 ARTIFICIAL INTELLIGENCE FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3(2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The aim of this course is to understand the working principles of artificial intelligence and machine learning algorithms and the applications of these emerging and current technologies in the field of urban planning.

## **PLN478 LIDAR BASED 3D MODEL CREATION FOR CITIES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3(2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

LIDAR is a method for determining ranges (variable distance) by targeting an object with a laser and measuring the time for the reflected light to return to the receiver. LIDAR can also be used to make digital 3-D representations of earth surface or objects on surface. With this course students will learn another alternative, and fast way of creating 3D city model creation in mass or detailed form on demand.

## **PLN479 URBAN UTOPIAS AND DYSTOPIAS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course examines a range of important texts across the corpus of the utopian/dystopian literature. The course engages with the relevant historical, political and philosophical frameworks that shaped the contextual setting and the main ideas of the works studied in the course.

## **PLN480 CINEMA AND SPACE**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Within the scope of this course, the interrelationship between cinema and urban planning / architecture and architectural images in the context of the relationship between cinema and city are examined by taking the films that use the city as the scene and subject of its subject.

## **PLN481 PROFESSIONAL ENGLISH FOR PLANNERS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Introduction to professional English, reading, understanding and conceptual development in English and the ability to follow the international literature without hesitation, methods, preparation of bibliography in a foreign language, and the ability to use them are taught in this course. Vocational, academic and non-academic periodicals, online resources, cartoon series, conference announcements / calls, article abstracts, maps, encyclopedic resources, etc. Issues on the agenda of the field of urban planning will be examined.

## **PLN482 URBAN PHOTOGRAPHY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Introduction to urban photography. Tips and examples. This course explores photography as a disciplined way of seeing or investigating urban space, architecture, and expressing ideas. Readings, observations, and photographs form the basis of discussions on light, detail, place, poetics, narrative, and how photography can inform design and planning.



## **PLN483 MODERN HOUSING AND URBAN DISTRICTS**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course aims to examine the alteration of housing design concepts with modernism context. It is concerned with the spatial organization, formation of the modern house and its effects on urban districts. It engages with the 'urban districts' in so far as housing projects under discussion contribute to the making of these districts, and are in turn shaped by the districts in which they are placed. The discussions will be followed by case studies, roughly categorized by underlying urban conditions and characteristics of architectural projects.

## **PLN484 ADAPTIVE HERITAGE REUSE: POLICY AND PRACTICE**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

The course aims to examine the concept and practice of adaptive heritage reuse in various social, political, economic, and cultural environments; its benefits and challenges. How does adaptive re-use contribute to the conservation of tangible and intangible heritage? How does it benefit the community? What aspects of the legal context are relevant for the stakeholders in these projects? What kind of policies are supportive, and which are discouraging adaptive heritage reuse? How does the concept of participatory governance benefit heritage? What is the role of adaptive reuse in urban and spatial planning? How can such projects be made sustainable in terms of financing and the environment?

## **PLN485 HISTORY OF ART AND CULTURE**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Theoretical introduction related to art; a variety of works of art, from prehistoric eras to the present, such as painting, sculpture, architecture, photograph and designs object are discussed within a socioeconomic, political, religious and cultural perspective; analysis and interpret work of art; artist; analysis of interior decoration and design within visual arts; visiting exhibitions and criticism of contemporary arts.

## **PLN486 REGIONAL DEVELOPMENT AND CREATIVE INDUSTRIES**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

From post-fordist period to new economic geography and regional development, changes in the economic specialization of regions and regional development, new regions, knowledge and knowledge economics, knowledge and information technologies and new strategic sectors, innovation, creativity and their roles on regional development, competitiveness, localization and regional agglomeration, human capital and creative class, creative sectors and growth, the effects of strategic sectors on each other and their locations, regional dynamics and social polarization, social polarization and governance, creative regions.

## **PLN487 LOCATION THEORY**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (3-0)
<b>ECTS Credit</b>	:	4.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Evaluation of the existing location theories and methods on residential, retail and industrial activities by taking into consideration the conditions of developed and developing countries; the concept of market areas at the regional, national and global levels; competitive location theories and methods; analysis of spatial variations on demand; hierarchical location models at the regional, national and global levels; multi objective location models of public and private facilities; shopping center and office location models; hotel location models; multi objective residential location models.

## **PLN488 URBAN DESIGN**

<b>Credit (Theoretical-Practical hours/week)</b>	:	3 (2-2)
<b>ECTS Credit</b>	:	5.0
<b>Compulsory/Elective</b>	:	Elective
<b>Level of Study</b>	:	Undergraduate
<b>Offered Semester</b>	:	-
<b>Prerequisite</b>	:	-

### **Course Content:**

Urban design concept; relations between planning and design, urban design theories; principles and methods of urban design; elements of urban design; urban design process; urban design models and their examples; new approaches to urban design. Defining urban design problems and potentials, developing and evaluating alternatives, formulating strategies for implementation.