



جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

College of Architecture and Planning
Department of Urban and Regional Planning

STUDENT PROSPECTUS

Bachelor's Program in
Urban and Regional Planning



جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

College of Architecture and Planning

Department of Urban and Regional Planning

Students Prospectus

COLLEGE OF ARCHITECTURE AND PLANNING

Department of Urban and Regional Planning

Student Prospectus, 1st Edition
© Department of Urban and Regional Planning, 2019.
College of Architecture and Planning
Imam Abdulrahman Bin Faisal University
Dammam, Kingdom of Saudi Arabia

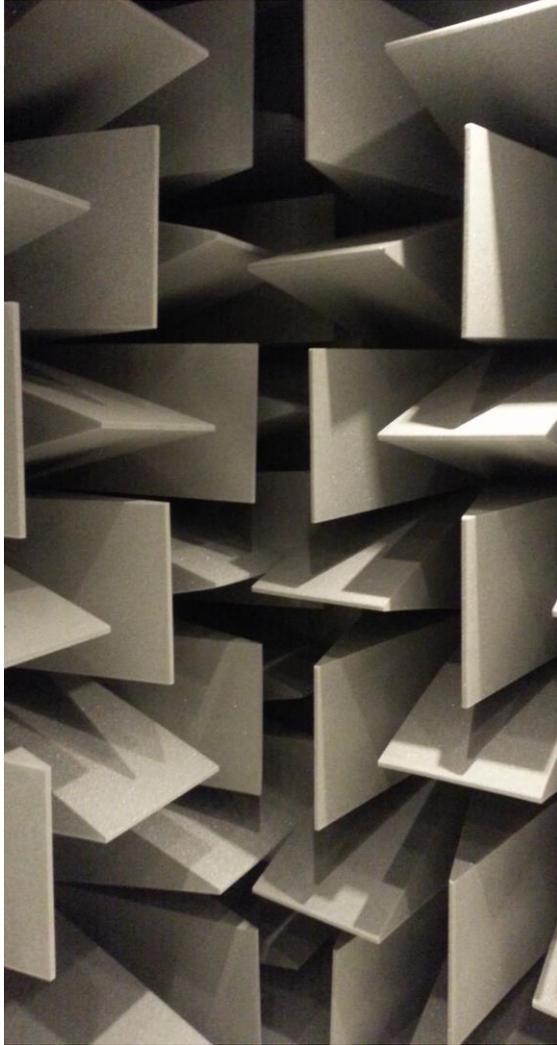
Phone +966.13.857.8206 • Fax +966.13.203.857.8739

Editorial Supervisor: Prof. Faez Al Shihri

Editor, advanced word processing and Graphic Design: Prof. Mahmoud Abdellatif



**In the name of Allah,
the most Gracious,
the most Compassionate**



CONTENTS

WELCOME FROM THE DEAN	6
WELCOME FROM DURP CHAIRMAN	7
INTRODUCTION	1
PROGRAM VISION, MISSION AND VALUES	2
PROGRAM GOALS	3
PROGRAM STRUCTURE	3
MARKET POTENTIALS FOR THE GRADUATES	4
PROGRAM LEARNING OUTCOMES	5
PROFESSIONAL SKILLS OF GRADUATES	5
COURSE DESCRIPTIONS	6
Core Courses	6
Elective Courses	12
PROGRAM RESOURCES	22
Physical Resources	22
Human Resources	23
CONTACT INFORMATION:	26

WELCOME FROM THE DEAN

Planning is one of the most essential environmental design professions which sets the contextual prerequisites for landscape, architectural, construction, and interior design and other design professions. It provides the macro scale spatial standards and criteria that preserve the identity and function of the larger land use pattern thereby achieving better belonging and users' satisfaction. Comprehensive Urban and Regional planning is significant to urban development because it considers the integration of physical, social and economic aspects of the environment. This will lead not only to a healthy, safe and comfortable physical environment but also to sustainable and preserved environmental resources.

The College of Architecture and Planning is certain that the Department of Urban and Regional Planning offers all types of academic and professional support to its students to achieve that aim. Through three years (6 semesters), students in the URP Department are exposed to a variety of theoretical and practical learning experiences. Continuous discussions and interactions occur among students and supervising professors. Studio projects are selected keeping certain standards. The educational guidelines of the College and the Department assure that the topics are: benefitting to the society, adding to the scientific and professional experience of students and contributing to future research.



Dr. Tareq I. Alrawaf , Dean
College of Architecture and Planning
Imam Abdulrahman bin Faisal University
Dammam, Saudi Arabia

WELCOME FROM DURP CHAIRMAN

The Department of Urban and Regional Planning in Imam Abdulrahman bin Faisal University (IAU) prides itself on being the Kingdom pioneer in offering an Urban and Regional Planning Bachelor Program (BURP). It has been hailed by the private sector as an acclaimed academic program, as measured by Alumni and Employer Surveys alike. Since its inauguration in 1975, the program has continued to excel, becoming a renowned Urban and Regional Planning Program nationally and internationally.

This guide, along with the Student Handbook, contains the regulations and requirements for the admission to and graduation from the program. It outlines the structure of the program, the curriculum, and course content required for obtaining the Bachelor of Science in Urban and Regional Planning. In addition, it highlights the employment opportunities in private, semi-private, and public sectors. Educational resources such as labs, libraries and faculty list are also included in this guide. Students should read this guide in conjunction with the Student Handbook and University Catalog, which will aid them in planning for the completion of the degree requirements in a timely and orderly manner. Students are also encouraged to meet their advisors periodically to follow up on their academic progress. It is the policy of the Department to promote students' learning and to motivate them to seek knowledge beyond the classroom.



Prof. Faez Saad Al-Shihri, Chairman
Urban and Regional Planning Department
College of Architecture and Planning
Imam Abdulrahman bin Faisal University
Dammam, Saudi Arabia





INTRODUCTION



IAU UNIVERSITY

Imam Abdulrahman Bin Faisal University opened its doors to women and men in 1975 with two pioneering colleges, the College of Medicine and the College of Architecture. Almost four decades later this academic institution has grown into a leading research university with 21 colleges spread throughout the Eastern Province and a student population of over 45,000. Imam Abdulrahman Bin Faisal University (IAU) began as the Dammam Campus of King Faisal University (KFU) based in Al-Hasa. The Dammam campus then separated and established as an independent university, named as University of Dammam in 2009, the name was modified to Imam Abdulrahman bin Faisal University in 2016.

COLLEGE OF ARCHITECTURE AND PLANNING

The first 60 students were admitted in the fall of 1975 to commence studies in College of Architecture and Planning. The College of Architecture and Planning had grown to encompass five departments enrolling more than 900 students in five academic undergraduate programs and seven graduate programs. These include: Architecture, Building Science and Engineering, Landscape architecture, urban and regional planning and Interior Architecture for males and females.

DEPARTMENT OF URBAN AND REGIONAL PLANNING

The Department of Urban and Regional Planning in the College of Architecture and Planning of Imam Abdulrahman Bin Faisal University is one of only four departments in this discipline in the universities of Saudi Arabia. It was the first department to open in the Kingdom of Saudi Arabia, in 1396 Hijri, corresponding to 1975 Gregorian, as a supporting department of the College of Architecture and Planning. The department has been providing a bachelor's program since 1412 H/1991 G, graduating the first undergraduate batch in 1414 H/1993 G. Since the inception of the Department until the academic year of 1438 H/2017 G), the department has graduated more than 350 engineers with a bachelor's degree in urban and Regional Planning.

The design, construction, operation and management of new cities, the repair and maintenance of the existing cities, and the development of new urban management and technologies, have become serious concerns for the urban and regional planning industry, particularly in the Kingdom of Saudi Arabia. Moreover, the issues of sustainability, pollution, energy use and health are crucial in the fast-growing built environment. It is obvious that, the lack of scientific knowledge and proper strategic planning can result in huge losses in terms of poor construction quality, human discomfort, energy wastage and health hazards.

Therefore, there is need of competent urban and regional planning professionals in Saudi Arabia, with adequate scientific skills and expertise, who are capable of tackling the aforementioned problems, thereby ensuring high performance and sustainable cities and regions and built environment for the future. Accordingly, the Bachelor of Urban and Regional Planning program encompasses diverse fields of study that essentially address the scientific, engineering and technological aspects of design, plan, management and maintenance, pertaining to cities and regions. The purpose of this program is to provide predictive capability to optimize building performance and understand or prevent building failures. All the courses in this program are specifically designed to suit the national and international cities standards and accreditation criteria, and are useful for all professionals or clients, who seek a better understanding of the way cities should be planned to optimize structural strength, energy performance and longevity.

In 1407 H/1986 G the department launched its master's program, which graduated the first batch in 1410 H/1989 G. Since then until the academic year of 1432 H/2011 G there has been more than 90 graduates with MSc Degree in URP. They are currently working in various public and private institutions concerned with urban planning and development issues.

In the year 1426 H/2005 G, the URP Department started its PhD program in URP and up to the academic year of 1438 H/2017 G, the program awarded the PhD in URP degree to 13 candidates.

They are now working in Saudi universities and in public and private institutions interested in planning issues.

PROGRAM VISION, MISSION AND VALUES

Vision

Towards comprehensive, balanced and sustainable development for Saudi regions, urban centers and rural communities.

Mission

Provide distinctive scientific, technical and professional knowledge; scientific research; and community services related to local, regional and national development projects and programs.

Values

Excellence, Professionalism, Creativity, Diversity Team Spirit, Islamic and Local Culture, and Social Responsibility.

PROGRAM GOALS

1. Enhance and advance knowledge and skills.
2. Carry out meaningful research.
3. Offer high quality community services.
4. Enhance human and professional competencies of all program affiliates.
5. Maintain sustainable working environment for students and staff.
6. Promote efficient administrative structure for the program.
7. Insure economic competences in running the program.
8. Optimize the use of technological advancement in all program activities.



Third Year Final Jury: A sustainable Neighborhood, 12April 2015.

PROGRAM STRUCTURE

The URPL program aims at emphasizing four main areas of urban and regional planning specializations associated with sustainable development, which comprise of four stages:

- Learning the basics of Urban and regional planning field,
- Building professional capacity through linking knowledge to the practical aspect of the URP Field,
- Focusing on plan implementation procedures and city management, and
- Reflecting all the knowledge and skills acquired during the previous years of study in the final year graduation project.

The program gives general and equal exposition to these four stages to reflect theoretical and professional knowledge and skills of urban and regional planning. Accordingly, the program curriculum is sequentially organized in two main modules:

a) The Basic Level

This emphasizes basic architectural fundamentals and provides a solid foundation of theoretical and designs courses. The duration of study, at this level, is for two years. The first year is shared with the preparatory year for engineering track colleges of the university. The second year is shared with all bachelor programs of the College of Architecture and Planning. These are aimed at developing basic graphical and architectural design skills and acquire a common language with architects and enhancing the understanding of buildings and their complex interactions.

The first two years addresses the following main requirements:

- University Requirements: Islamic Culture and Physical Education courses.
- Basic Skills: English Language and Basic Graphics.
- Scientific Fundamentals: Mathematics and Physics.
- Basic Technical Courses: courses in each of the areas of structure, construction and environmental controls.
- Architectural Design Fundamentals design courses.
- Surveying course

b) The Professional level

The professional part of the program is of three years duration. It is aimed at enhancing and widening the student knowledge and capabilities in the four areas of urban and regional engineering specializations, emphasized by the program, leading to specialized qualification in urban and regional engineering. This is achieved through theoretical courses and technical projects, which are used as means of practical illustration and consideration of build environment. The scope of the student learning experiences and professional capabilities are enhanced with a balanced combination of mandatory urban

and regional planning engineering, planning science courses and elective courses.

During the professional level, the student should undergo a monitored period of practical training in an institution approved by the College.

Elective courses

Four elective courses are allowed to widen the student scope of knowledge and upgrade and emphasize particular areas of interest and technology specialization.



Summer Trip of URP students to VU University, Holland, July 2015.

MARKET POTENTIALS FOR THE GRADUATES

Jobs directly related to your degree include:

- Facilities manager
- Historic buildings inspector/conservation officer
- Housing manager/officer
- Local government officer
- Town planner
- Transport planner
- Urban Planner
- Urban Designer
- Planning Advisor
- Planning Manager
- Building surveyor
- Civil Service administrator
- Community development worker
- Environmental manager
- Estate agent
- Landscape architect
- Planning and development surveyor
- Sustainability consultant



Graduation Project final jury, May 2015.

PROGRAM LEARNING OUTCOMES

Upon successful completion of the URPL program, the students will be able to:

- Students will acquire a solid base of knowledge in the principles and practices of learning, including urban spatial structure, local public finance, economics of development, infrastructure provision, and globalization.
- Students will develop the skills necessary for the effective practice of planning, including its purpose, meaning and history; methods that envision future change; elements of plans; adoption, administration, and implementation of plans; speaking for the disadvantaged; laws and policies of environmental planning.
- Students will develop the values necessary for the effective practice of planning, including problem-solving skills; research skills; written, graphical, and oral skills; computational skills; collaboration with peers; meeting professional standards; forecasting and scenarios; implementation of plans; working with diverse communities.
- Students will learn the values and ethical standards affecting the practice of planning, including the values of justice, equity, fairness, efficiency, order, and beauty; the values of fair representation and equal opportunity; and respecting complex legacies.

PROFESSIONAL SKILLS OF GRADUATES

- Studying urban and regional planning allows you to develop specialist knowledge in town and regional planning, providing you with a range of professional skills such as:
 - design and place making
 - knowledge of planning law and legislation
 - finance and policy development

- strategic thinking
- analytical research
- making a reasoned argument
- professional report writing and presentation
- partnership working and collaboration.
- You also develop skills that are useful in many different career areas. These include:
 - verbal and written communication
 - IT
 - negotiation and mediation
 - problem-solving
 - impartiality and diplomacy
 - teamwork
 - creativity
 - decision-making
 - general and people management
 - pragmatism.



URP Department Chairman is welcoming new students, 11 Oct 2017.



An URP Student Presenting his Planning Concept, May 2015.

COURSE DESCRIPTIONS

This section presents brief descriptions of courses in the curriculum for a B. Sc. degree in Urban and Regional Planning. It includes description of the core courses, and descriptions of electives courses.

Core Courses

URPL -301 DESIGN STUDIO (5): PLANNING SURVEY, ANALYSIS, GRAPHICS & CARTOGRAPHY

This design studio has three important aims. The first aim is to develop an understanding of survey and mapping work requirements, to build an understanding as to how to analyze and use of surveyed data; and to develop analytical skills applied to processing, presentation, and interpretation of location-based data. In this aim the course will cover surveying and mapping field techniques, and the uses of global positioning system GPS in surveying? The second aim of the course is to introduce students to graphic techniques, representation tools, and analytical methods that are used in urban and physical planning. The third aim of the course is to develop student's cartographic skills, concepts, and methods such as photogrammetric map design, computer mapping, Aerial photography and satellite image, GIS, and Arc GIS.

URPL -302 DESIGN STUDIO (6): NEIGHBOURHOOD PLANNING

The aim of the workshop is to introduce students to the design problems at neighborhood level. The project involves land subdivision, neighborhood planning and architectural residential design. At the same time, the project explores the relationship between the physical environment, the socio-cultural aspect, and the nature of urban design process. The course aims at: (i) relating urban design theories and vocabulary to develop and up-grade parts of the city, introducing the concept of neighborhood design and the requirements of planning standards with consideration of socio-cultural and

local environment, emphasizing the relation between architecture, landscape and urban design through the process of evaluation and design of residential unit and cluster, imparting an understanding of analytical processes and techniques in urban design and land use planning, imparting an understanding of the process of city growth, development, and change, introducing the potential of using computer aided design as a graphical communication and analytical tool, developing experience in individual students to work in a team.

URPL -311 APPLIED STATISTICS

The course starts by presenting what is meant by statistics and why do we need to learn it. It then explains the steps involved in statistical data analysis. Types of data, appropriate data presentation techniques and main tasks performed through statistical analysis are discussed. The course involves discussions of frequency distributions and central tendency measures including the mean, mode and median, dispersion measures including variance and standard deviation. The course covers the theory of correlation including how to compute Pearson linear correlation coefficient as well as Cramer association coefficient. It discusses curve fitting procedure, the regression and time series analysis procedure and how this is used in forecasting, and some theoretical frequency distributions with particular emphasis on the normal distribution curve. The course concludes with presenting the statistical concept of hypothesis testing and the various tests available for testing statistical hypothesis namely chi square test, t-test and F-test. The course is heavily based on utilizing the SPSS software.

URPL-312 ECONOMICS

This economics course is an introductory undergraduate course in economic theory and practice. It is designed to introduce students to the fundamental concepts of economic theory. It is focused on how economic decisions are made by individuals, businesses, and governments. Demand and supply are developed to demonstrate how market prices are determined, how those prices determine an economy's allocation of goods

and services, how factors of production are allocated in the production process, and how goods and services are distributed throughout the economy. It also introduces and discusses the effects of government intervention as well as the concept of international trade, comparative advantage and global economic challenge.

URPL-321 URBAN GEOGRAPHY

This course is an introductory course to urban geography. It introduces planning students to the fundamental concepts and techniques of urban geography. Particular attention is devoted to their relationships with the urban and regional planning processes. It acquaints students with the most important problems and policies concerning urban geography in general and as they relate to the current practices in the kingdom of Saudi Arabia.

URPL-322 URBAN DESIGN THEORY

Urbanization presents the end-product of human civilizations. They could be seen and understood in terms of urban and visual Phenomenon, Patterns, and Elements such as Spaces, traffic Paths, buildings Forms, Land-uses, Human Behavior, and socio-functional segregations. The course introduces the field of urban design to students. This introduction takes different parts. An introduction and definition of basic terms and concepts including: the meaning of urban design and its place within the environmental design spectrum; the significance and impact of urban design works on the quality of life and the quality of the environment; the role and qualities of modern urban designer; the various stages and activities of the urban design process; cognition, perception and image-making process; other basic urban design concepts and terms such as: scale in urban design, urban character, size, shape, pattern, texture, urban magnet, urban rhythm, urban module, accessibility, visual messages, direction, etc. Urban design understanding and assessment criteria at Spaces group level. The Course is divided into two major parts; Theoretical and Practical. The theoretical Part is introduced in form of lectures, and the Practical Part is

introduced through assignments carried out by students in order to enhance their theoretical knowledge

URPL-331 PLANNING HISTORY AND THEORY

This course is an introductory survey of the built environment (from ancient times to the industrial revolution, with an account of temporary urban development as we move into the twenty first century). The concern is primarily with the physical elements, with the realization that are social, economic, and political elements that shape the environment as well. A system of “urban form determinants” is used as a structured basis for analysis of historic and of more recent urban morphology. In addition to that, the course will review the history of planning activities at the national and regional and local levels in the kingdom of Saudi Arabia. The theory of urban planning has to do with defining and understanding the context, practices, and processes of planning, and how they have evolved from their respective historical cultural basis.

URPL-332 HOUSING AND RESIDENTIAL DEVELOPMENT

The course introduces the field of Housing and Residential Development to students. Terms such as a House, a Housing cluster, a neighborhood, a community, etc. will be defined. Various approaches to housing and residential development (planned/ unplanned, formal/informal, conventional/Large-scale, etc.) will be analyzed and compared in terms of their impacts on the quality of life and the quality of the environment. The course describes the various stages and activities of the residential development process. These are: the system definition stage, the planning and design stage, the implementation stage, and the evaluation and management stage. The course comprises from two major parts. In the first part, the instructor delivers and explains the course concepts and terms in the form of lectures, seminars or discussions. Students carry out the second part, during which each student will submit and present a term paper demonstrating his comprehension of the course contents.

URPL-341 PLANNING GEOINFORMATICS (1)

This course acquaints the students with the technologies of Remote Sensing and GIS. It demonstrates to students how to use these technologies in an integrated manner and apply them in their studio projects. The course is divided into two main parts. The first shorter part is on remote sensing. The second part is on GIS. The general concepts of RS and GIS will be introduced to the students and they will become familiar with these technologies and their applications in the field of the regional and urban planning. The students will learn not only the theoretical background but also practical applications. The course content includes methods of data entry and editing, simple data analysis and visualization, and preparation of map layouts.

URPL-342 PLANNING GEOINFORMATICS (2)

This course is designed to build on the expertise gained by the students in the prerequisite course and enhance their skills in applying Remote Sensing and Geographic Information Systems for urban and regional planning projects. In this course students will learn how to choose RS imagery for specific applications and for spatial analysis at urban and regional scales. The students will learn about the concepts of Global Positioning System. A comprehensive set of spatial analysis tools will be introduced to allow exploring and analyzing spatial data and to find solutions to spatial problems and modeling urban phenomenon. The course will also provide general concepts of network analysis and the application of such tools in regional and urban planning. The focus will be on using raster and network data. The course will introduce basic techniques of estimating spatial data through interpolation and the concepts of 3D GIS.

URPL-401 DESIGN STUDIO (7): URBAN PLANNING

The course is intended to give more focus to studying the problem at the urban planning levels. The studio applies planning investigation/research methods involving data

collection (primary and secondary), data processing and analysis, problem and issue identification and goal formulation, and their presentation in a professional manner consisting of reports including maps, charts, diagrams, etc. Work phases will consist of both team and individual work. The focus in the Design workshop is on real world urban planning problem. Various urban planning policies and strategies for development will be explored in more details from international and national perspectives. International experiences and Saudi urban development strategies will be introduced and examined. The new approaches of Saudi urban development strategies will also be introduced and examined. Different methods and techniques used to evaluate and implement such urban development plan will be explored in more details.

URPL-402 DESIGN STUDIO (8): REGIONAL PLANNING

The course is designed to introduce the students to the general policies and strategies formulation, evaluation and implementation approaches used by planners in their professional regional planning or comprehensive development field. We examine a range of concepts, approaches and tools that planners use in the field of comprehensive regional development. The focus in the Design Studio is on real world regional planning problem in its comprehensive context. Various regional planning policies and strategies for regional development will be explored in more details from international and national perspectives. International experiences and Saudi regional development strategies will be introduced and examined. The new approaches of regional development will also be introduced and examined. Different methods and techniques used to evaluate and implement such regional comprehensive development plan will be explored in more details

URPL-411 URBAN AND REGIONAL ECONOMICS

The course focuses on strategies that policy makers and planners at all levels use to create healthy urban and regional economies. We begin by examining the role of the urban economic development specialist, and then examine a range of tools that

economic developers/planners use. We also focus on relatively new strategies for urban economics development and redevelopment. We explore issues of labor force, housing, transportation, examine the role of technology on urban economic development, and look at real international cases (with attention to Saudi Arabia) to understand what has occurred in specific contexts.



A Student Presenting his project to jury members, May 2015.

URPL-412 REGIONAL PLANNING

This course is concerned with the nature of regional planning as particular form of planning; specially, consideration is given to the historical evolution of regional planning and the definition and scope of regional planning; it's particular role in and contribution, it's methods and techniques. In addition, this course deals with the process of regionalization and definition of region, the spatial structure of region, and regional planning in the international perspective. The course will introduce concepts and techniques that are used in the regional development.

URPL-421 URBAN SOCIOLOGY

The course provides a basic understanding of the theories in urban social structure, social change and social processes, and

their relationship with the urban physical structure. In this context, the course introduces the basic social units e.g. society, family, neighborhood and their importance in urban social existence and social life. The course also examines urban social processes like social mobility, social conflict and the dynamics of social change. Finally, the course examines the impact of urban planning and urban development policies on social environment, social change and progress

URPL-422 INFRASTRUCTURE PLANNING

In the last two decades urban areas in Saudi Arabia experienced rapid growth in population. Therefore, the Saudi cities/towns require adequate infrastructure facilities, specifically in the areas of road, water supply, sewerage, sanitation and solid waste management. In addition, there is a need of better planning and coordination among the service providing agencies i.e., Water Supply and Sewerage Board, Ministry of Water and Electricity, Telecommunication, Transportation Department, etc. The announced Government's strategy is to improve the infrastructure facilities in the urban areas. Government has also invited the Public-Private-Partnership to invest in the urban infrastructure projects. The course emphasis is on methods of forecasting demands and the means to meet them. Also, importance is given on the use of catchments area population and systems' threshold size to estimate demand and supply, the application of sustainable approaches (reduce, recycle and reuse) to their management.

URPL-431 PLANNING METHODS & TECHNIQUES (I)

Planning Methods and Techniques extend over two semesters. The courses are intended to provide planning students with tools that enable them to effectively learn how to Conduct Planning Studies? The first of these two courses deals with the basic – must know – methodologies and techniques of planning studies ranging from goal formulation techniques (e.g. relevance tress) and estimation and projection of population and employment characteristics, to the different planning processes of; creating land information bases, Urban Land Use Design, Commercial

and Employment Centers. PMT I, extends to acquaint the students with Alternative Generation and Plan Evaluation Techniques.

URPL-432 PLANNING METHODS & TECHNIQUES (2)

This course is an extension of the first part where most of the Must-Know techniques have been introduced to the students. This course aims primarily at introducing to the students, the most stressing issues of contemporary urban planning. The biggest problem facing the urban environment in Saudi Arabia is the issue of How to Manage Urban Growth? The stepping stone for this course is to study the phenomenon of sprawl and its impacts on cities of Saudi Arabia. The course will discuss the causes, impacts and likely solutions to the problem. The theories of Smart Growth, New Urbanism and Sustainability will be continuously discussed debated and analyzed. Different methodologies and techniques adopted internationally will be examined; ranging from how to pay for sprawl, and who pays for sprawl. Creating more sustainable and walkable communities through concepts of TND's, TOD's and more is presented. Relating transportation and environmental assessments to sustainable growth of cities is emphasized.

URPL-441 URBAN TRANSPORTATION PLANNING

The course develops a number of standard methods for predicting travel in urban areas. General characteristics of urban travel and urban transport systems are presented along with a discussion of typical issues pertaining to urban areas. Methods used to evaluate alternatives and resolve issues are presented. These include trip generation, trip distribution, Traffic Assignment, and mode split.

URPL-442 PLANNING FOR SUSTAINABLE DEVELOPMENT

This course focuses upon sustainable development beginning with an overview of the history and theories of sustainability. The powers of local government to affect sustainable and zero emission outcomes are evaluated, and examples of local

sustainability and climate change plans are reviewed. The course then addresses individual aspects of the elements of the built environment that local governments have some control over: energy use, transportation, land use and urban design decisions, water infrastructure and reuse on-site, municipal solid waste (one of the easiest ways a locality can reduce its carbon footprint), and green buildings, public health and neighborhoods. Green economy, equity and environmental justice issues are also treated. Ways to coordinate goals of environment, economy, and equity at different scales of planning are addressed, including the region, the city, the neighborhood, and the site. Examples from around the world, with a rich tradition of sustainability efforts will also be included. Some also call these efforts, the “greening” of cities although for many the economic and equity issues are equally important.

URPL-444 PRACTICAL TRAINING

Practical training is a significant part in fulfilling the requirement for the bachelor's degree at the College of Architecture and Planning. It gives the student the opportunity to practice both office and field works equally. It provides the student with practical skills and knowledge of the planning profession at the local, urban, or regional developmental levels. It is conducted in a certified public or private agency practicing the planning functions. Besides, it is regulated and managed at the College level. The training period extends for eight weeks during the summer of the third year. The trainee must complete 200 hrs. (25hrs/week for 4 weeks).

URPL-501 DESIGN STUDIO (9): GRADUATION PROJECT (1)

Design Studio (9) followed by Design Studio (10) are two consecutive phases of the final Graduation Project. They are last opportunity for students to apply all their skills and knowledge in formulating comprehensive plans and policies and to develop implementation strategies in a professional way concerning a local, urban or regional developmental problem. Design Studio (9) is the 1st phase. The studio concentrates on the data collection and

analysis stages of the developmental process. The student defines a feasible planning problem. Then, he collects information to build better understanding of the selected problem. He analyzes the collected data in order to reach the main objectives of the planning stage. He develops at least three development scenarios or concepts based on clearly defined elements of the previous analysis. The student evaluates the concepts based on assessment criteria reflecting the goals and objectives of the projects and based on a scientific selection process.



URP section of the annual exhibition of the College of Architecture and Planning, October 2016.

URPL-502 DESIGN STUDIO (10): GRADUATION PROJECT 2

Design Studio (10) is the 2nd phase of the final Graduation Project of each student. In this phase, the student develops the planning concept selected in the previous phase of the project. He elaborates on the physical, social, economic, and environmental characteristics of his selected planning alternative. The student is expected to spell out an implementation framework (who does what, when, where and how). He defines appropriate policies, actions and legal instruments (such as public investments, public-private-partnership, development control mechanisms, incentives and disincentives, etc.) to be used at various places and at various

times. The student is encouraged to use innovative management tools such as place-marketing, events-marketing, websites deployment targeting potential developers.

URPL-511 PLANNING LAW & ADMINISTRATION

The course discusses the legislative and administrative institutions related to planning in the Kingdom of Saudi Arabia and points to their history, development, current structures and the role of planning and control of the built environment. It provides the outline of the institutional processes of formulating national planning policies, local plan preparation, planning bye-laws, rules and regulations in controlling, guiding and managing urban development in the country. Further the course discusses the town planning bye-laws and procedures as practiced in some of the leading countries to develop a comparative perspective in the subject matter.

URPL-522 PROFESSIONAL TRAINING & PLANNING PRACTICE

This course is concerned with improving students' professional qualities and attitudes with emphasis on: planners' perception of their work and public expectation; understanding the political nature of decision making, planner' expertise, effectiveness, autonomy, and legitimacy; principles and procedures professional practice such as professional ethics, client relations, and inter-professional collaboration and marketing of professional services. In particular, it aims to help the students make the transition from planning theory to planning practice. This transition will be in accordance with the new planning principles and codes of ethics introduced by internationally recognized institutions such as, American Planning Association and the Urban Land Institute.

URPL-521 RURAL PLANNING AND DEVELOPMENT

The course is designed to introduce planning students to the general concepts and approaches of rural planning and development. We begin by defining what is "rural" and identify

the criteria that determine what is “rural” from “urban”. We examine a range of concepts, approaches and tools that planners use in the field of rural planning and development. The socio-economic problems in rural areas will be explored in more details, then, the concepts of community economic development and sustainable rural development will be introduced and examined. The Saudi Arabian rural development system will be explored, and different case studies will be examined.



Fifth year field visit to Alfaris Company, 09 November 2017

URPL-532 PUBLIC FINANCE AND BUDGETING

The course introduces planning students to the fiscal role of government in the modern mixed market economy, with an emphasis on the functions of budgeting and public finance in the planning field of modern governments. The various dimensions of budgeting and public finance theory and practice which are examined include: basic principles and concepts, forecasting, resource allocation, executive and legislative budget processes, budget preparation and development, budget reforms, capital budgeting, revenue policy and administration, and principle of taxation, the Saudi budget system will also be examine in more detailed.

Elective Courses

URPL-550 SPECIAL TOPICS IN URBAN DESIGN AND HOUSING

Since the city could be seen in terms of masses and spaces, urban space could be considered as major and critical component of city fabric. The importance of designing urban spaces lies on their role as communications elements and social public interactions. A careful arrangement of urban spaces sequence or composition and the form of each individual urban space affect human public activities. The course is structured according to the special area of expertise of the instructor or to meet the demand for a certain subject area by students within the fields of Urban Design and Housing. The Course is divided into two major parts: theoretical and practical. The theoretical part is introduced in form of lectures and seminars or discussions; while the practical part is introduced through assignments carried out by students in the field to enhance the comprehension of the theoretical part.

URPL-551 DESIGN OF LARGE-SCALE URBAN SPACE

Since the city could be seen in terms of masses and spaces, urban space could be considered as major and critical component of city fabric. The importance of designing urban spaces lies on their role as communications elements and social public

interactions. A careful arrangement of urban spaces sequence or composition and the form of each individual urban space affect human public activities. The Course is divided into two major parts; Theoretical and Practical. The theoretical Part is introduced in form of lectures and seminars or discussions, and the Practical part is introduced through assignments carried out by students in the field, in order to enhance their comprehension of the Theoretical part.

URPL-552 HOUSING ANALYSIS AND DESIGN

The course provides explanations of residential land use patterns; location characteristics, determinants of residential land use; distribution of population and densities within the metropolitan area; study of existing housing stock; housing market analysis; optimization of resource allocation in the housing sector; housing equilibrium; and demand and supply constraints; value attributes of housing and lifestyles; preparation and formulation of housing policy in the Muslim social context.

URPL-553 URBAN CONSERVATION & RENEWAL

The aim of course is to enable students to understand the evolving processes of the urban conservation and its multi-dimensional character as the key aspect of urban regeneration within the sustainability context of the 21 centuries. It considers the social and economic aspects of the historic preservation of the built environment. Class projects include survey of historical core of the city and structural condition of buildings therein; definition of sphere of influence for the central areas; three-dimensional evaluation of the urban form; techniques and policies of conservation and renewal; social and economic aspects of urban renewal; staging of urban renewal projects and community participation.

URPL-554 CITYSCAPE & BEAUTIFICATION

The course introduces the elements of cityscape and thereafter discusses the following: Horizontal and vertical surfaces as

delimiters of urban space, qualitative improvement of horizontal and vertical surfaces; street furniture design and detailing; urban beautification principles; long- and short-range policy measures for the enhancement and upgrading of urban spaces.

URPL-555 URBAN IMAGE

The course deals with how individuals perceive and navigate the urban landscape, and how they perceive and organize spatial information. It explores the presence of time and history in the urban environment. The emphasis of the course is on how to employ human perception of the physical form of cities and regions as the conceptual basis for good urban design. The course starts with a discussion of the multi-sensory nature of perception, and covers the following topics: spatial characteristics and qualities of urban environment, elements of urban image and construction of 'mental map', urban morphology and visual evaluation; cross-cultural view of the city, socio-cultural image of the city; characteristics of the Middle-eastern city.

URPL-556 NEW TOWNS AND RECENT URBAN DEVELOPMENT

This course reviews the theories and issues in New Towns development, their historical evolution in the West and the East, and their typologies and roles in both regional and national development. Recent urban developments in Saudi Arabia are explored with emphasis on major design issues such as relationships between activities: services (residential, commercial, administration, etc.) and production (industrial, employment, etc.). The course clarifies the main design elements in each of these activities. Future directions of urban planning and design of new towns are explored.

URPL-560 SPECIAL TOPICS IN SOCIAL AND ECONOMIC PLANNING

This course is intended to provide a degree of flexibility in content for both faculty and students within the field of Social and Economic Planning. The course may be structured

according to the specific area of expertise of the instructor or to meet the demand for a certain subject area by students. The course is organized in a way to allow students to carry out research studies in approved themes serving the selected course topic in the field of Social and Economic Planning under supervision of the instructor. The specific topic of the course is subject to the approval of the Department Council.

URPL-561 FACILITIES PLANNING

Introduction to the definition and types of facilities, description of the process and methods of planning of public facilities, including the determination of the number, size and location of facilities, planning consideration for facilities critical in an emergency situation, case studies of facilities in different contexts.

URPL-562 SOCIAL AND COMMUNITY SERVICES PLANNING

The Course reviews the theories and concepts influencing social services and community facilities, principles and standards in planning and development of community facilities and services; evolution of existing community services in respect of public health, education, recreation, amenities and utilities, and their efficiency and effectiveness, in terms of their location and service radius. The course contents focus on un-met needs in under-served population groups, and on improving services and facilities in the community. The course also introduces the idea of self-sufficiency and self-reliance; and also discusses opportunities in efficient delivery of services with minimum administrative overhead costs.

URPL-563 SOCIAL POLICY PLANNING

The course first highlights the need for social development planning aimed at reducing social conflict and ensuring equitable development opportunities for all citizens. Thereafter, the course establishes the need for social policy planning and its scope; identifies crucial areas of social planning; discusses

the need for human resource development and the required support services towards ensuring comprehensive and sustainable development; and discusses the methodology and contents of social policy planning and cross-cultural experience in social policy planning in developing countries highlighting the role of government and institutions in social policy formulation.

URPL-564 ECONOMIC ANALYSIS FOR PLANNING PRACTITIONERS

The course is an introductory course in the application of basic principles of economic analysis to problems of urban planning and policy. It is designed to acquaint students with the essential elements of quantitative and qualitative economics that are most relevant to the practice of city planning. The course will explore issues such as: (1) how the basic tools of microeconomic analysis can expand and strengthen the planner's capacity to address city planning problems and issues; and (2) how to analyze critically the strengths and weaknesses of various economic approaches to, and justifications of, urban policy-making. The study of theory will be augmented by case studies and practical exercises in applying economic analysis to current planning problems in the Dammam, Riyadh, Jeddah, and elsewhere in Saudi Urban System.

URPL-565 REGIONAL ECONOMIES: THE MIDDLE EAST EXPERIENCE

The Middle East is a large, complex and diverse region, which faces a wide range of economic issues. Our focus will be on the economic development, current economic policies and the future economic prospects of the following countries: Saudi Arabia, Bahrain, Egypt, Iran, Iraq, Jordan, Kuwait, Lebanon, Oman, Qatar, Syria, Yemen, and the United Arab Emirates. The course will examine the following economic realities of the region and compare them across the Middle East economies (in varying degrees of depth): technology gap and comparative development; the value of education and human capital development; water and food security; the economics and

politics of oil; population growth, role of gender and labor mobility; the role of the state as economic actor; the economic value of democracy; the prospects for regional integration; and economic impact of tourism.

URPL-566 POLITICAL IMPACTS OF DEVELOPMENT

This course is an introduction to the political, social and economic issues involved in the theory and practice of community and economic development. It is about people in diverse cultural and ethnic communities and neighborhoods, and how they mobilize to play a role in the planning and development of their communities. Particular focus is on: national policies and programs (social, economic and political); the unique role of community-based economic development initiatives; the critical importance of the policy and planning process in balancing the conflict between private-sector profitability and the public interest/community accountability; and a critique of the politics of "trickle down" vs. "bottoms up" social and economic strategies. Focus will be given to how Saudi national policies impact our real-life communities and neighborhoods with particular focus on social, economic, political, and environmental justice.

URPL-567 LAND ECONOMICS

The course aims to introduce planning students to the economics of land uses, with an emphasis on the supply and Demand of land for economic use; the nature and significance of economic rent; real-estate prices and allocation of resources. The various dimensions of land economy (housing, offices, retail, and property valuation) will also be examined in terms of market comparison and replacement cost approaches, operation of real estate markets, land development and investment costs, economic meaning of land conservation; conservation of real estate.

URPL-568 PUBLIC POLICY ANALYSIS

This course is an introductory exploration of policy analysis. It assumes that planning student already has some familiarity with

the basic concepts and terminology of public policy and public administration. This course will provide students with both rapid and more complex methods of public policy analysis. It will cover important considerations in the process of policy analysis such as identifying data sources and weighing the utility of data; establishing criteria for analyzing policies; assessing policy alternatives; choosing among policies; and monitoring policy implementation.

URPL-570 SPECIAL TOPICS IN TRANSPORT & TRAFFIC PLANNING

This course is intended to provide a degree of flexibility in content for both faculty and students within the field of Transport and Traffic Planning. The course may be structured according to the specific area of expertise of the instructor or to meet the demand for a certain subject area by students. The course is organized in a way to allow students to carry out research studies in approved themes serving the selected course topic in the field of Transport and Traffic Planning under supervision of the instructor. The specific topic of the course is subject to the approval of the Department Council.

URPL-571 ROAD ENGINEERING DESIGN

This course introduces the design concepts, material properties and performance criteria are used together with vehicle loading criteria, to demonstrate how they are combined to design road pavements. Another objective is to describe the principles of geometric design fundamentals, in relation to safety and driver comfort, focusing on horizontal and vertical alignment. It will give the student all the stages of the road design process, and all the related design documents, also it elaborates the relation between the road planning process and the design stages. It introduces the general computer applications in this aspect. The students perform examples so they can see how the principles and their application come together in a design.

URPL-572 TERMINALS PLANNING AND DESIGN

This course addresses the characteristics of transportation terminals on a mode-by-mode basis (seaports, railways, airports, parking lots, etc.). It reviews methodologies used to study terminal operations for different modes and the management of congestion (input-output diagrams, simulation, optimization, queuing). Although the course covers all transportation modes, freight terminals (ports and railways) receive extra attention to passenger transportation terminals. Besides, the course presents a number of recipes for examining and improving terminal operations. The course also presents the related aspects of terminal operations through modeling and (if necessary) observation.

URPL-573 TRAFFIC SURVEYS AND PLANNING

The course will provide knowledge on transportation & Traffic surveys; data collection and analysis methods as well as selection and interpretation of appropriate statistical tests that are relevant to the solution of the studied problem. It illustrates the most important surveys e.g. volume studies, density, speed studies, and OD surveys, etc. It highlights survey organization and implementation of transport projects and elaborates the cost & accuracy considerations in designing & planning transportation surveys.

URPL-574 ENVIRONMENTAL IMPACT ASSESSMENT OF TRANSPORTATION PROJECTS

In the context of sustainable development, this course addresses the transport issue of how to make social and economic progress possible with the least damage to the human, natural and built environments. The course identifies and discusses the potential environmental impacts resulting out of the transport system. Ways and means that can be used for measuring these impacts are presented. The framework and techniques that can be used for environmental impact assessment are discussed. The course takes an emphasis also on Traffic Impact Analysis. Traffic impact studies identify traffic problems and suggest ways for relieving these problems resulting from new or expansion of existing land

use developments. The process involved in conducting a traffic impact assessment is thoroughly presented and discussed. Specific matters like noise pollution, visual impact and air pollution are presented. Finally, the course concludes by discussing a set of policies and measures that can be used to relieve the deleterious effects of the traffic system both on the natural as well as on the physical environments.

URPL-575 TRAFFIC ENGINEERING

This course introduces the field of transportation engineering with particular emphasis on traffic engineering. Topics covered include a description of the transportation industry and transportation modes; characteristics of drivers, pedestrians, vehicles and the roadway; traffic engineering studies, capacity analysis, and level of service analysis, intersection design and control, traffic signals: capacity, delay, allocation and optimization of phase times. Studied also, are control of combinations and networks of signals, highway safety, parking, and computer applications in traffic engineering.

URPL-580 SPECIAL TOPICS IN SUSTAINABILITY & DESERT DEVELOPMENT

This course is intended to provide a degree of flexibility in content for both faculty and students within the fields of Urbanization, Sustainability & Desert Development. The course may be structured according to the specific area of expertise of the instructor or to meet the demand for a certain subject area by students. The course is organized in a way to allow students to carry out research studies in approved themes serving the selected course topic in the field of Transport and Traffic Planning under supervision of the instructor. The specific topic of the course is subject to the approval of the Department Council.

URPL-581 CITY MANAGEMENT AND ADMINISTRATION

This course explains the political and administrative setup of local government and city management functions. The course covers

the following concepts and topics: introduction to management thoughts and concepts, city government and its relationship with other level of national government, city management functions. City management is devoted to creating a positive interaction between urban needs and Personal inhabitants' interests and needs. Urban Equality, Public Participation, socio-economic and personal feeling of secure are critical parameters in modern concepts of City management.

URPL-582 DESERT DEVELOPMENT & TECHNOLOGY

The course covers four themes: (1) Understanding the desert environment; its characteristics, obstacles and potentialities, (2) Examining the role of development technology in facilitating desert settlement, (3) Critical review of desert development practices in the world, the Middle East Region and in the KSA, and (4) A search for proper planning strategies for settling the desert. The course is an elective course recommend to planning students; yet, students from other programs and departments of the College of Architecture and Planning and other Colleges of the University of Dammam may find it interesting and useful.

URPL-583 KNOWLEDGE-BASED SPATIAL DEVELOPMENT

This course is an introductory exploration of the engineering of creative places through knowledge-based spatial development. In many cities and nations, in recent years, policy-makers have realized the importance of engineering and orchestrating knowledge places (incubators, precincts, hubs, cities, regions or mega-regions) as key strategies for integrative economic, socio-cultural and physical development. In these physical entity's knowledge and information (and the social and technological settings for their production and communication) are used as tools to economic prosperity. The economy of knowledge-based places creates value-added products using research, technology, and brainpower. However, the social benefits of these knowledge-based places extend beyond aggregate economic growth or the locality. Thus, their global appeal planners and development analysts.

URPL-584 URBAN DIGITAL IMPACTS

The course seeks to introduce planning students to the general concepts and approaches of how advances in Information Technology are changing the ways cities function and develop in the digital era. At the macro-level, the course explores urban places are being complemented with, and sometimes substituted by, an increasing array of digital spaces in cities and regions. At the micro-level the course explores the activities of individuals, households, firms and institutions and how they are by affected by the digital technology in their daily activities at work, residence, educational places as well as at social and recreational places. The challenges and opportunities these interactions and transformations posed will be examined along with suitable strategies of responding to them.

URPL-585 PROJECT MANAGEMENT FOR PLANNERS

This course introduces students to the concept of effective Project Management (planning, prioritizing, scheduling, budgeting, negotiating, organizing, controlling, managing change, motivating, coaching, and refereeing) and is intended to develop a strategic thinking about Project Management. Topics covered in the course include the Triple Constraint Theory (scope, time and cost), Critical Path, PERT, Gantt and Critical Chain Project Management (CCPM) methods. Besides, the content will focus on two domains. The first domain covers the concepts, theories and process groups of the Project Management during the project life cycle (PLC); namely, Project Initiation, Project Planning and Design (or developing), Project Execution (or production), Project Monitoring and Controlling, Project Completion (or closing). The second domain explores the nine "knowledge areas" of project management; namely, scope management, time management, cost management, quality management, human resource management, communications management, risk management, procurement management and Integration Management.

URPL-590 SPECIAL TOPICS IN PLANNING
GEOINFORMATICS

This course is intended to provide a degree of flexibility in content for both faculty and students within the field of Planning Geoinformatics. The course may be structured according to the specific area of expertise of the instructor or to meet the demand for a certain subject area by students. The course is organized in a way to allow students to carry out research studies in approved themes serving the selected course topic in the field of Planning Geoinformatics under supervision of the instructor. The specific topic of the course is subject to the approval of the Department Council.

URPL-591 ADVANCED RS APPLICATIONS IN URBAN &
REGIONAL PLANNING

Geographical information systems (GIS) and remote sensing technology are routinely applied in resources survey and management, in environmental management, and in urban and regional planning. Although these different application fields share many of the core principles, each has its own particular approach and methods of using GIS and remote sensing. The relationship between remote sensing and urban- regional planning is significant in large part due to the strong spatial component within urban and regional planning. However, it is nevertheless necessary to have frequent overview of the interface between remote sensing and urban- regional planning, particularly in the light of developments in the types of image data and techniques. The use of remote sensing within urban and regional planning provides a rich range of examples of the interface, including application of some of the latest types of image data. In this course is an overview of the interface that remote sensing has with urban and regional planning. In this course the student will learn how to use remote sensing techniques in his studies of land use, settlement development, transportation, vegetation, water resources, environmental problems, regional geology, and mineral resources. There are many kinds of remotely sensed imagery for such studies and the

student can learn from this course how to interpret remotely sensed imagery and geocoded data.

URPL-592 ADVANCED GIS APPLICATIONS IN URBAN &
REGIONAL PLANNING

The course introduces a variety of advanced topics in GIS that will equip learners with skills and knowledge to better deal with real life issues in GIS applications in Urban and Regional Planning. The topics of the course are selected based on the needs and interests of both students and instructor/s of the course. Topics to be covered include the quality of data and data standards, errors and uncertainty in data, error propagation, spatial (point and areal) interpolation, Modifiable Areal Unit Problem (MAUP), spatial autocorrelation, application of fuzzy sets and logic in GIS. The course would deal with theoretical issues with adequate exercises to demonstrate their practical applications.

URPL-593 PLANNING GEOINFORMATICS FOR DISASTER
MANAGEMENT

This course shows the students how Geoinformatics can be useful at different stages of disaster management, including hazard assessment, vulnerability analysis, risk analysis and emergency response. The discussion would focus on common hazards such as floods, earthquakes, storms and industrial accidents. Case studies from real life will be discussed to strengthen the learning process.

URPL-594 SPECIAL TOPICS IN URBAN AND REGIONAL
PLANNING

This course is intended to provide a degree of flexibility in content for both faculty and students. The course may be structured according to the special area of expertise of the instructor or to meet the demand for a certain subject area by students. The course is organized in a way to allow students to carry out research studies in approved themes serving the selected course topic under supervision of the instructor. The specific topic of the course is subject to the approval of the Department Council.

URPL-595 URBANIZATION IN SAUDI ARABIA

Introduce the students to a historical background of Urban Growth and Urbanization in Saudi Arabia Structure and Trends in Urban population in Saudi Arabia., Factors in urban growth and regional contrasts in urbanization. Urbanization problems and urban planning and policy in Saudi Arabia.

URPL-596 URBANIZATION & URBAN DEVELOPMENT

This course involves a study of the history of urbanization process and urban growth in the world, the existing structure and pattern of urbanization; sources of urban growth and regional contrasts in urbanization. Urbanization problems and urban planning and policy with special reference to Saudi Arabia are discussed.



H.E. IAU Rector attends the final celebration get-together with graduating students, May 2015.

Curriculum of the B. Sc. Degree in Urban and Regional Planning

FIRST YEAR FIRST SEMESTER			CR.H R.	PREREQUISITE	FIRST YEAR SECOND SEMESTER			CR.HR	PREREQUISITE
ENGL	161	English-I	5	Admission	ENGL	162	English-II	5	ENGL-161
ARCH	111	Basic Design Studio- I	3	Admission	ARCH	112	Basic Design Studio- II	3	ARCH-111
MATH	101	Math 1	2	Admission	MATH	102	Mathematics Principles 2	3	MATH-101
COMP	131	Computer Skills	2	Admission	LRSK	152	Learning and Communication Skills	2	Admission
STAT	141	Scientific Research Skills	2	Admission	PHEDU	172	Health & Physical Education	1	Admission
					PHYS	132	Physics	3	MATH-101
				14					17

SECOND YEAR FIRST SEMESTER			CR.H R.	PREREQUISITE	SECOND YEAR SECOND SEMESTER			CR.HR	PREREQUISITE
ARCH	201	Design Studio (3) (Architecture & interior)	4	Prep. Year	ARCH	202	Design Studio (4) (Urban and Landscape Design)	4	ARCH 201
ARCH	211	Concept of Structure	3	Prep. Year	ARCH	212	Construction Systems & Materials	3	ARCH-211
ARCH	221	Surveying	2	Prep. Year	ARCH	222	Environmental Control System (thermal)	2	Prep. Year
ARCH	231	Environmental Design 1	2	Prep. Year	ARCH	232	Environmental design (2)	2	ARCH-231
ARCH	241	CAD Application	2	Prep. Year	ARCH	242	Advanced CAD & GIS Applications	2	ARCH-241
ARCH	251	Design Methods	2	Prep. Year	ARCH	252	Site Planning	2	Prep. Year
ISLAM	151	Introduction to Islamic Culture	2	Prep. Year	ISLM	152	Creed and Ethics	2	Prep. Year
				17					17

THIRD YEAR FIRST SEMESTER			CR.H R.	PREREQUISITE	THIRD YEAR SECOND SEMESTER			CR.HR	PREREQUISITE
URPL	301	Design Studio (5): Planning Survey, Analysis, Graphics and Cartography	5	0500-202	URPL	302	Design Studio (6): Neighborhood Planning	5	URPL-301
URPL	311	Applied Statistics	2	Admission in URP Dept	URPL	312	Economics	3	URPL-311
URPL	321	Urban Geography	3	Admission in URP Dept	URPL	322	Urban Design Theory	3	URPL-331
URPL	331	Planning History & Theory	3	Admission in URP Dept	URPL	332	Housing & Residential Development	3	URPL-321
URPL	341	Planning Geoinformatics (1)	3	0500-242	URPL	342	Planning Geoinformatics (2)	3	URPL-341
ISLM	251	Economic System in Islam	2	Admission	URPL	444	Practical Training	0	Dept. Admits. Admission in URP Dept
					ISLM	252	Social & Political System in Islam	2	
				18					19

FOURTH YEAR FIRST SEMESTER			CR.HR.	PREREQUISITE	FOURTH YEAR SECOND SEMESTER			CR.HR	PREREQUISITE
URPL	401	Design Studio (7): Urban Planning	5	URPL-302	URPL	402	Design Studio (8): Regional Planning	5	URPL-401
URPL	411	Urban and Regional Economics	3	URPL-312	URPL	412	Regional Planning	3	URPL-411
URPL	421	Urban Sociology	3	URPL-321	URPL	422	Infrastructure Planning	3	URPL-441
URPL	431	Planning Methods & Techniques (1)	3	URPL-322	URPL	432	Planning Methods & Techniques (2)	3	URPL-431
URPL	441	Urban Transportation Planning	3	URPL-331	URPL	442	Planning for Sustainable Development	3	URPL-421
				17					17

FIFTH YEAR FIRST SEMESTER			CR.HR.	PREREQUISITE	FIFTH YEAR SECOND SEMESTER			CR.HR	PREREQUISITE
URPL	501	Design Studio (9): Graduation Project (1)	5	URPL-402	URPL	502	Design Studio (10): Graduation Project (2)	5	URPL-501
URPL	511	Planning Law & Administration	3	URPL-442	URPL	522	Professional Training & Planning Practice	3	URPL-511
URPL	521	Rural Planning and Development	3	URPL-412	URPL	532	Public Finance and Budgeting	3	URPL-312
		Elective (1)	3	(*)			Elective (3)	3	(*)
		Elective (2)	3	(*)			Elective (4)	3	(*)
				17					17

CURRICULUM TOTAL 170 Credit Hours

Elective Courses in the Urban and Regional Planning Department

Field 1: Urban Design and Housing

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-550	Special Topics in Urban Design and Housing	3	Pass 3 rd Year
URPL-551	Design for Large Public Space	3	Pass 3 rd Year
URPL-552	Housing Analysis & Design	3	Pass 3 rd Year
URPL-553	Urban Conservation & Renewal	3	Pass 3 rd Year
URPL-554	Cityscape & Beautification	3	Pass 3 rd Year
URPL-555	Urban Image	3	Pass 3 rd Year
URPL-556	New Towns and Recent Urban Development	3	Pass 3 rd Year

Field 2: Social and Economic Planning

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-560	Special Topics in Social and Economic Planning	3	Pass 3 rd Year
URPL-561	Facilities Planning	3	Pass 3 rd Year
URPL-562	Social & Community Services Planning	3	Pass 3 rd Year
URPL-563	Social Policy Planning	3	Pass 3 rd Year
URPL-564	Economic Analysis for Planning Practitioners	3	Pass 3 rd Year
URPL-565	Regional Economies: The Middle East Experience	3	Pass 3 rd Year
URPL-566	Political Impacts of Development	3	Pass 3 rd Year
URPL-567	Land Economics	3	Pass 3 rd Year
URPL-568	Public Policy Analysis	3	Pass 3 rd Year

Field 3: Transportation and Traffic Planning

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-570	Special Topics in Transport & Traffic Planning	3	Pass 3 rd Year
URPL-571	Road Engineering Design	3	Pass 3 rd Year
URPL-572	Terminals Planning & Design	3	Pass 3 rd Year
URPL-573	Traffic Surveys & Planning	3	Pass 3 rd Year
URPL-574	Environmental Impact Assessment of Transportation Projects	3	Pass 3 rd Year
URPL-575	Traffic Engineering	3	URPL-441

Field 4: Sustainability, Technology & Desert Development

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-580	Special Topics in Sustainability & Desert Development	3	Pass 3 rd Year
URPL-581	City Management & Administration	3	Pass 3 rd Year
URPL-582	Desert Development and Technology	3	Pass 3 rd Year
URPL-583	Knowledge-based Spatial Development	3	Pass 3 rd Year
URPL-584	Urban Digital Impacts	3	Pass 3 rd Year
URPL-585	Project Management for Planners	3	Pass 3 rd Year

Field 5: Planning Geo-informatics

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-590	Special Topics in Planning Geo-informatics	3	URPL-342
URPL-591	Advanced RS Applications in Urban & Regional Planning	3	URPL-342
URPL-592	Advanced GIS Applications in Urban & Regional Planning	3	URPL-342
URPL-593	Planning Geo-informatics for Disaster Management	3	URPL-342

General Electives: Urban & Regional Planning

Course #	Course Title	Cr Hrs.	Pre-requisite
URPL-594	Special Topics in Urban & Regional Planning	3	Pass 3 rd Year
URPL-595	Urbanization in Saudi Arabia	3	Pass 3 rd Year
URPL-596	Urbanization & Urban Development	3	Pass 3 rd Year

PROGRAM RESOURCES

The Department of Urban & Regional Planning at Imam Abdulrahman Bin Faisal University is one of the first in introducing the graduate studies in Urban & Regional Planning in the Kingdom and the Gulf Cooperation Council (GCC). Therefore, the department has to its credit significant teaching, research and consultation expertise. Graduates of this department have already assumed high responsible positions in the public and the private sectors. This testifies that the Department of Urban & Regional Planning has been able to impart the right kind of knowledge and skills successfully. The physical and human resources to support the modified M.Sc. program in Urban & Regional Planning are as follows.

Physical Resources

Work/study space: Currently the College of Architecture & Planning is housed in a spacious, three-storied building exclusively for its own use in the new campus of the university.

The Central Library in the Campus: This library has a rich collection of books, journals and periodicals in engineering, architecture, planning, and related fields. The library has the necessary facilities and space to cater to graduate research students. Also, there is an extensive collection of scientific databases that can be accessed online.



College of Architecture and Planning

Geographic Information System (GIS)

Unit: The college has a GIS unit equipped with all the hardware and software required to facilitate advanced studies and research in the areas of socio-economic and geographic information.

The Environmental Studies Center:

The college contains a comprehensive range of instruments needed to conduct advanced research in the field of environmental planning e.g. weather & climatic studies, noise studies etc.

The Audio-visual Center:

This college has an adequate variety of audio-visual equipment required for teaching and related activities envisaged in the proposed modification.

The Model-making Workshop:

This workshop has all the necessary materials, equipment (including 3D printers and laser cutters) and expertise that might be needed by students in a graduate program of studies in diverse aspects of planning.

Information Document Center:

This Center is a special part of the Central Library on campus. The Centre is rich in terms of professional planning reports issued by various ministries as well as the secretariats of the regions and municipalities. It contains general and structural plans, which include national development plans, the work of comprehensive urban development regions and cities and various sites in the Kingdom. It also provides numerous plans and studies, books and maps for research and academic activities in curriculum decisions.

The Computer Center & Internet Services:

The College of Architecture and Planning is very rich in numbers and quality of advanced computers as well as Internet facilities with high capacities. The College can provide computer services and electronic communication with scientific research worldwide databases to support research activities. These facilities are useful in many ways: for example, providing access to worldwide databases and information centers, interactive Internet and intranet resources will open the potential for e-learning and distant education, etc.

Human Resources

The Department of Urban & Regional Planning is rich in human resources required to carry out the modifications introduced in the program. The Department has long-standing experience in both teaching and scientific research activities at the bachelor's

and master's degree levels. The Department is involved in scientific research on annual basis. Since its initiation in 1975, the Department has produced over 200 graduation project reports for the undergraduate level, over 70 Masters' degree theses and 12 Ph. D. dissertations. The staff has credible experience in conducting research and in supervising Masters' theses and Ph.D. dissertations, as well as assessment of scientific papers, research documents, and promotion reports both inside and outside Saudi Arabia.



Yearbook photos of URP graduating students.

Faculty Available in the Department of Urban & Regional Planning (Jumada I 1439/January 2018)

No	Name of Faculty	Rank	Field of Specialization		Research Interests
			Major	Specific	
1	Prof. Faez Saad Al-Shihri	Professor	Urban & Regional Planning	Sustainable Dev. Planning; Environmental URP	Urban & Regional Sustainability, urban resilience Urban Green City, Smart Cities, New Urbanism.
2	Prof. Mahmoud A. Abdellatif	Professor	Urban and Regional Planning	Desert Dev & Technology	Urban Dev. & Design, Desert Housing, Architectural and Computer Education.
3	Prof. Khandoker Maniruzzaman	Professor	Urban Planning	Spatial Analysis	Disaster Management, Spatial Optimization, GIS
4	Prof. Jamal Y. Salaghoor	Professor	Urban Design	Housing Regulation	Urban Design, Housing Regulation, Architecture Education
5	Prof. Abdullah H. Al-Kadi	Professor	Urban Planning	Planning Techniques	Legal Aspects of Planning, Housing, G.I.S.
6	Prof. Antar A. Abou Korin	Professor	Urban and Regional Planning	Regional/Urban Planning	Regional Development; Urban Analysis; Population & Development; Spatial Analysis
9	Prof. Abdulkarim Al-Howaish	Professor	Regional Planning	Economic Development	Regional Economic Analysis; Urban & Rural Economics
10	Dr. Abubakar R. Ismaila	Assoc. Professor	Urban and Regional Planning	Sustainability	Urban Sustainability; New towns Development; Urbanization; Environmental Planning; Urban services.
11	Dr. Ahmed Basha	Asst. Professor	Urban and Regional Planning	Regional Planning	Urbanization, Regional Planning; Nutrition Health Planning
12	Dr. Maher S. Al-Shammri	Asst. Professor	Urban and Regional Planning	Urban and Regional Planning	GIS, Planning Techniques, Quantitative Methods in Planning; Sustainable Dev.; Physical Planning
13	Dr. Karim A. Gazzeh	Asst. Professor	Regional Planning	Risk Management Infrastructure	Housing, Sustainable Urban Dev., Risk Management
14	Dr. Sayed M. Ahmed	Asst. Professor	Urban Planning and Design	Sustainable Development; New Town Planning	Sustainable Urban Dev.; New Town Planning; Arid Zone Development
15	Dr. Ali M. Al-Qahatany	Asst. Professor	Urban and Regional Planning	Sustainability Urban Planning	Sustainability Urban Planning
16	Dr. Khalid Al-Arfaj	Asst. Professor	Urban Planning	Planning Graphics	Cartography, Visual Design
17	Dr. Umar Lawal Dano	Asst. Professor	Urban Planning	Geo-informatics in URPL	GIS and Remote Sensing Application, Sustainability and Urban Transport.
18	Dr. Hatem Touman Abdelhameed	Asst. Professor	Urban Planning	Urban Design	Green roofs; new settlements; active mobility
19	Dr. Nawaf Abdulkarim Al-Shabibi	Asst. Professor	Urban and Regional Planning	Transportation Planning and Engineering	Transportation Planning and Traffic Engineering

Support staff in the Department of Urban & Regional Planning (Muharam 1440/Sep. 2018)

No	Name of Faculty	Rank	Field of Specialization		Research Interests
			Major	Specific	
20	Eng. Ahmed Ismail	Lecturer	Urban Planning	Planning Theory	Plan Theory and Methods, Infrastructure Planning
21	Eng. Abdullah A. Al-Hamoudi	Lecturer	Urban and Regional Planning	Urban Management	Urban Dev.; Housing; City Management
22	Eng. Salem Ibrahim Aljoaib	Lecturer	Urban and Regional Planning	Urban Planning	Urban Planning
23	Eng. Suliman M. Almazroua	Lecturer	Urban and Regional Planning	Urban Planning	Urban Planning
24	Eng. Abdulrahman A. AlSayel	Lecturer	Urban Planning	Sustainable Urban Planning	Green City; Smart Growth; New Urbanism
25	E.ng. Khalid M. Almatter	Lecturer (Abroad)	Urban and Regional Planning	Urban Planning	Urban Planning
26	Eng. Mubarak F. Al-Hajri	Lecturer (Abroad)	Urban Planning	Transportation Planning	Transport Planning
27	Eng. Khalid A. Al Melhem	Teaching Asst. (Abroad)	Urban and Regional Planning	Housing	Housing
28	Eng. Fahed M. Al-Assaf	Teaching Asst. (Abroad)	Urban and Regional Planning	Urban Planning	Urban Planning
29	Eng. Abdulmalik Y. Al-Shinawi	Teaching Asst.	Urban Economics	Disaster Management	GIS; Disaster Management; Urban Economics
30	Eng. Abdulrahman Alqahtani	Teaching Asst.	Urban and Regional Planning	Urban and Regional Planning	Urban and Regional Planning



Faculty members of the Department of Urban and Regional Planning, April 2019

CONTACT INFORMATION:



Department of Urban and Regional Planning,
College of Architecture and Planning
Imam Abdulrahman Bin Faisal University
PO Box 2397
Dammam 31451
Kingdom of Saudi Arabia.



+966.13.857.8206

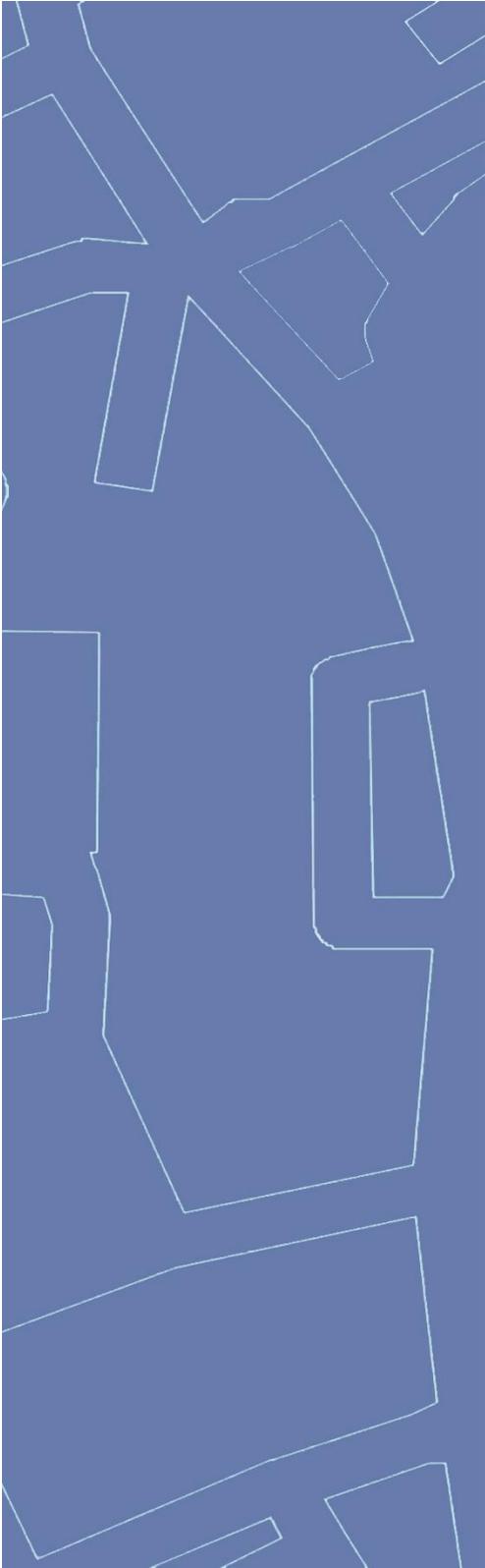


durp.dap@iau.edu.sa



<https://www.iau.edu.sa/en/colleges/college-of-architecture-and-planning/departments/department-of-urban-and-regional-planning>





جامعة الإمام عبد الرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY