

**Directory of Center for Urban and  
Regional Planning for Graduate Studies  
2013**

## **Directory Preparation and Design Committee**

<b>Dr. Abdul Hussein Al-Askari (Dean of the Center)</b>	<b>supervisor</b>
<b>Assistant Professor Dr. Amer Shaker Al-Kanani</b>	<b>President</b>
<b>Assistant lecturer Ihsan Sabah Hadi</b>	<b>member</b>
<b>Assistant lecturer Zahra Emad Al-Husseini</b>	<b>member</b>
<b>Mrs. Samira Al-Wardy</b>	<b>member</b>

The Center of Urban and Regional Planning is a unique scientific landmark of its kind at the level of the universities of Iraq and the region, which meets the needs of the country of planning staffs specialized in Urban and regional and their subdivisions, the idea of Center founding on the philosophy of comprehensive planning in the preparation of staffs firstly, then specializing them according to background and interest, as well as a number of those who were accepted by the Center are related employees of government departments.

The Center has been producing for the last 40 years since its establishment hundreds of university theses dealt with a lot of planning problems with the Urban, economic, social, transport and environmental dimensions, It is truly a leading scientific beacon its workers exert great effort to elevate it to the ranks of Advanced World Colleges.

## **The Speech of the Dean Center**

In the name of Allah

In the pursuit of hard work to activate the functional performance of the Center came the emergence of this guide to be an introductory paper of the nature of graduate studies and requirements that have witnessed a tangible development at the level of master since 1971, and then PhD starting from the academic year 1994/1993 and finally study the Higher Professional Diploma as of the academic year 2007 2006. This expansion in the certificates granted by the Center reflects, in essence, the qualitative development of the curriculum and the accompanying modernization in line with the development of scientific knowledge in the specialization to improve the level of its graduates and to support state institutions and society with qualified planners in the planning of urban and rural human settlements, in line with the reasons of the establishment of this center under regulation No. 116 of the year 1971 ". The advancement of the country with increasing speed to keep up with the global development depends primarily on planning at different stages and levels of local, urban, regional and national Planning All this needs to be prepared by specialists in planning and lifting devices Current Planning " "This level of scientific upgrading of the study at the Center has not give its fruits as a result of the accumulated experience in the hard work and purposeful for those who led us in the leadership of this scientific institution to form a solid ground from which the good profesors and staff at the Center to provide the best and the latest to keep up with what we have reached Studying this specialization in world-class universities, and our goal is not only to prepare qualified staffs to advance the reality of our cities and rural areas, but also to spread the awareness of the planning and what should be these settlements to ensure a comfortable life with the necessary amenities and exercise This is reflected in the Center's various activities of continuing education courses, and the issuance of the monthly publication "City and the future" as well as its scientific journal: Planned and Development "in addition to other scientific

activities such as seminars, Symposiums, and scientific conferences. Our cities and rural areas suffer from problems that necessitate giving this specialization the required attention, because of the characteristic of the theoretical-field integration (applied) as a professional study within the framework of a comprehensive planning view of all the variables of the planning act of the city or region. Through its curriculum to contribute seriously to the service of scientific knowledge and build our dear home for those who wish to be an exploration in it.

**Reconciliation from God**

**Dr. Abdul Hussein Al-Askari**

**The Dean**

A brief overview of the center's establishment and development

The Center was established by Law No. 116 on 31/7/1971 under the auspices And supervised of the University of Baghdad and the Ministry of Municipalities and the Ministry of Planning,

According to the law of the Center that the University of Baghdad grant high diploma in Urban and regional planning for each of the completed study requirements in the Center and pass the exams successfully. However, this certificate became Master (after the University of Baghdad agreed to this according to the

Law text , the Center became awarded a master's degree in urban planning from the academic year 1977-1978 (seventh session)

After it was awarded the Higher Diploma in Urban and Regional Planning From the first to the sixth session, the Center has been

accepted a number of students at the rate of (20) students "who have a certificate Bachelor in Interdisciplinary (Architecture, Civil Engineering , Surveying Engineering , Geography, Economics, Statistics, Sociology, Management , the agricultural economy,

Law. The Master's study was interrupted Twice since the first time in the academic year 1979-1980 , Study at the center stoped to integrate the center with the Faculty of Engineering, Second time in the academic year 1992-1993 and the academic year 1993-

1994 because of the lack of professors with a scientific title eligible to open the study At the time, because of the migration of teachers outside Iraq because of the blockade . In 1994-1995, the Center started to grant a doctorate in science Urban and regional planning, and in the academic year 2006-2007The Center resumed the granting of a Higher Professional Diploma in a specialized study in a period of one year

## **Vision**

Contribute to the creation of planning awareness and the preparation of qualified planners to deal with the expected changes and planning challenges and to ensure the foundations of the modern renaissance desired in Iraq.

## **The message**

Contributing the building and development of human capital in Iraq along with other university institutions, and to provide state and community institutions planners specialized in planning levels: local, urban, and regional, and keep pace with scientific development in the specialization.

## **Objectives**

The establishment of the Urban and Regional Planning center is to meet the urgent need of Iraq for specialized planners of professional diploma, master and doctorate in the field of urban and regional planning, to be qualified in the design of spatial development policies and translated into plans and follow-up implementation of the study of the spatial environment (cities, provinces , And territories).

**Deans of the Center in chronological order:**

**Dr.. Noman Amin Al-Jalili 1971-1973**

**Dr.. Abdullah Ihsan 1973-1975**

**Dr.. Nizar Khalil Wafee 1976- 1978**

**Dr.. Ghazi Mohy Hamza 1978-1980**

**Dr.. Ahmed Said Haded 1980-1981**

**Dr.. Ammar Akram Al-Hashimi 1981- 1981**

**Dr.. Monther Bashir Al-Adhami 1981-1984**

**Dr.. Waddah Saeed Yahia 1984-1994**

**Dr.. Khalis Al-Ashaab 1994-2001**

**Dr.. Adel Ibrahim Al – Hadithi 2001-2003**

**Dr.. Kamel Bashir Al-Kenani 2003-2012**

**Dr.. Sabah Abboud Aati 2012-2013**

**Dr.. Abdul Hussain Al-Askary 2013**

**Dr. Ayed Wasmi, Dr. Ali Al-Ammar, Dr. Abdul Ghafoor Al-Atraqji, Dr. Sabah Abboud, Dr. Jamal Baqer, M. Ammar Khalil, Dr. Mohammed Al-Quraishi, Dr. Basil Ahmed, M. Maida Ibrahim, M. Sally Adnan, M. Zahraa Emad, Dr. Amna Husein, Dr. Areej Khairy, Dr. Nada Mohammed, M. Suad Jaber, Dr. Suha Mustafa, Dr. Nada Khalifa**

**Dr. Mustafa Abdul Jalil, m. Dr. Faleh Al-Musawi, Dr. Adel Hassan, Dr. Mahib Al-Rawi, Dr. Mustafa Jalil, M. Abdul Razzaq Abdullah, Dr. Hussein Ahmed, Dr. Hassan Sabah, Dr. Firas Thamer, Dr. Amer Shaker**



No .	name	Certificate baccalaureates	Master Certificate	Doctorate Certificate	General Specialization	Accurate Specialty
1	Dr.. Abdul Hussein Al-Askary	architecture	Urban and regional planning	Philosophy of Architecture	Architecture - Urban and Regional Planning	Philosophy of Architecture - Urban Planning
2	Assistant Professor Dr. Sabah Abboud Aati	geography	Geography	geography	geography	Geomorphology
3	Prof.Dr. Jamal Baqer Muttal Al - Saadi	Counting	Urban and regional planning	Philosophy of urban and regional planning	Statistics	Housing Planning
4	Prof.Dr. Mohammed Saleh Turki Al - Quraishi	Economy	Economy	Economy	Economy	Economic development and Economy planning
5	Prof.Dr. Kamel Kazem Nasher Kanani	Economy	Economy	Economic sciences	Economy	Industrial site planning
6	Prof.Dr. Louay Taha Mohammed Rashid	Sociology	Urban and regional planning	Philosophy of urban and regional planning	Sociology	Urban Planning
7	Assistant Professor Dr. Mohammed Jassim Shaaban Al Ani	Counting	Urban and regional planning	Philosophy of urban and regional planning	Counting	Quantitative analysis in regional planning

8	Assistant Professor Dr. Abdul Ghafoor Mohammed Salim Al-Atraqji	Counting	Urban and regional planning	Philosophy of urban and regional planning	Counting	Urban and regional planning
9	Assistant Professor Dr. Nadia Abdul Majeed Al-Salem	Architectural Engineering	Urban and regional planning	Philosophy of urban and regional planning	architectural	Islamic architecture
10	Assistant Professor Dr. Basil Ahmed Khalaf al-Fatli	Space Engineering	Urban and regional planning	Philosophy of urban and regional planning	Space Engineering	Planning basic designs
11	Prof.Dr. Soha Mustafa Hamid Dulaimi	management and economy	Urban and regional planning	Philosophy of urban and regional planning	General Administration	Regional planning
12	Assistant Professor Dr. Mustafa Abdul Jalil Ibrahim	Space Engineering	Urban and regional planning	Philosophy of urban and regional planning	Space Engineering	Urban land use planning
13	Assistant Professor Dr. Amer Shaker Khudair Alkenani	Architectural Engineering	Urban and regional planning	Philosophy of urban and regional planning	architectural	Urban Planning
14	Assistant Professor	Civil Engineering	Urban and regional	Philosophy of Urban	Civil Engineering	Environmental Planning

	Dr. Nada Khalifa Mohamed Ali Rikabi		planning	and Regional Planning		
15	Assistant Professor Dr. Ali Karim Aboud Al-Ammar	Economy	Urban and Regional Planning	Philosophy of Urban and Regional Planner	Economy	Regional Planning
16	Assistant Professor Dr. Firas Thamer Al-Rawi	Geography	Urban and Regional planning	Philosophy of urban and regional Planning	Geography	Transportation Planning
17	Dr.. Moheeb Kamel Fuleih Al Rawi	Geography	Urban and Regional Planning	Philosophy of Urban and Regional Planning	Geography	Transportation Planning
18	Dr.Dia Rafik Hassoun Morgan	Survey Engineering	Urban and Regional Planning	Urban and Regional Planning Philosophy	Survey Engineering	Urban and Regional Planning / GIS
19	Dr. Ali Hussein Mohammed Al-Janabi	Economy	Urban and Regional Planning	Philosophy of Urban and Regional Planning	Economy	Regional Planning
20	Dr. Aqeel Abdalla Abduljalil Alhadithi	Management and Economy	Urban and Regional Planning	Arabian History	Management and Economy	Planning Old Cities
21	Dr. Areej Khairy Othman Al Rawi	Geography	Urban and Regional Planning	Philosophy of Urban and Regional Planning	Geography	Environmental Planning
22	Dr.. Mustafa Jalil Ibrahim Al-Zubaidi	Geography	Urban and Regional Planning	Philosophy Urban and Regional Planning	Geography	Regional Planning

23	Dr.. Hussein Ahmed Saad Al-Shedidi	Economy	Urban and Regional Planning	Philosophy of Urban and Regional Planning	Economy	Regional planning
24	Dr. Adel Hassan Al Nuaimi	Architecture	Urban and Regional Planning	Philosophy of Urban and Regional Planning	Architecture	Urban Planning
25	Dr. Ayed and Sami Sahab	Administration and Economy	Urban and Regional Planning	Arab History	Administration and Economy	Ancient City Planning
26	dr. Abdel-Wahab Ahmed Abdel-Wahab	Civil Engineering	Project Management	Project Management	Civil Engineering	Engineering Project Management
27	. Amna Hussein Sabri	Counting	Urban and Regional Planning	PhD Student	Counting	Regional Planning
28	. Nada Mohamed Abdel-Hayani	Surveying Engineering	Urban and Regional Planning	PhD student	Civil Engineering	Regional Planning
29	Mayada Abdel Malek Kittaneh	Statistics	Urban and Regional Planning	PhD student	Statistics	Spatial Planning
30	Ihsan Sabah Hadi al-Saray	Architecture	Urban and Regional Planning	PhD student	Architect	Urban Planning
31	Ammar Khalil Ibrahim Al-Zubaidi	Geography	Urban and Regional Planning	PhD student	Geography	Regional Planning
32	Abdul-Razzaq Abdullah Salih Al-Dulaimi	Architecture	Urban and Regional Planning		Architectural Engineering	
33	Suad Jaber Lifta Al-Aboudi	Surveying	Urban and Regional Planning	PhD student	Space Engineering	Engineering Planning

34	Sally Adnan Abdel Moneim	Space Engineering	Urban and Regional Planning		Space Engineering	Urban Planning
35	Faleh Mahdi Hadi Al-Mousawi	Architecture	Urban and Regional Planning	PhD student	Architectural Engineering	Urban Planning
36	Zahraa Imad Al-Husseini	Architecture	Urban and Regional Planning		Architecture	Urban Planning
37	Hussein Turki Attia	Surveying Engineering	Urban and Regional Planning		Engineering Area	
38	Abbas Hashem Sahan	Sociology	Urban and Regional Planning	PhD student	Sociology	regional planning
39	Maiedaa . Ibrahim Abdel Samad	Accounting	Accounting		Accounting	Banks
40	Thamer Khalaf Atawi	Arabic language	Arabic language		Arabic language	Arabic literature and its criticism
	. Suad Muhamma d Jassim					

## Supervisory members 2013

## اعضاء الهيئة المشرفة 2013

Prof. Sabah Aboud Atti

Prof. Jamal Baqir Mutlaq

Prof. Abdul Ghafour Al-Atrakchi

## Supervisory members 2014

## اعضاء الهيئة المشرفة 2014

Dr. Abdul Hussein Al-Askari

Prof. Kamel Kazem Al-Kinani

Prof. Jamal Baqir Mutlaq

Prof. Nadia Abdul Majeed Saeed

Prof. Basil Ahmed Khalaf

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## The certificates granted by the center الشهادات التي يمنحها المركز

The center awards three specialized scientific degrees In urban and regional planning, they are: -

- Professional diploma in urban and regional planning , Started in the academic year 2006-2007 .The number of graduates up to 2013 was (100)
- Master in Urban and Regional Planning Sciences Begins from the academic year 1971 and reached (505) graduates.
- Philosophy PhD in Urban and Regional Planning ,PhD study opened at the center since 1993 The number of graduates reached (69) Graduate up to 2013.

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## The nature of the study

## طبيعة الدراسة

The Urban and Regional Planning Center is distinguished because of the the nature of its specialization that distinguished it from the rest of the postgraduate branches in Iraqi universities, and that it combines the two directions Academic and Applied in terms of the fact that his students are from multiple disciplines

Interdisciplinary. On the other hand, it is a training requirement Planners. The planning process is the result of the interaction of a group of Humanity knowledge to form in its final outcome the planning ability of the planners.

This pluralism becomes important unless the planning act is embodied in reality

Place information. City planning or site planning is not limited to economic knowledge in Calculations of costs and benefits not only in studying the population: their habits, and their traditions, their movement, their demographic composition, etc., which is also a study in The natural characteristics of that place are above this and that of engineering dimensions in architecture

Land uses. The planning process, then, is the outcome of the integration of knowledge Humanities for Economics, Geography, Sociology, and Engineering Science .

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### **Teaching methodology**

### **منهجية التدريس**

The teaching methodology is based on the collective nature of Work and establish cooperation between students from Different scientific backgrounds, it includes the curriculum as well as Lectures, quarterly planning project, and Regular discussions among students directed by instructors around Graphic topics chosen for this purpose. As well as About the applied projects that students prepare during a period Summer training in the relevant state departments which were Associated with specialization .

The student also writes reports and criticizes planning books and watch movies and slids show about Various designs for cities and regions and discussing them . They make scientific trips inside Iraq to see And site viewing.

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## **The study system for the diploma stage**

## **نظام الدراسة لمرحلة الدبلوم**

The study consists of two semesters, each lasting (15) weeks, with Summer training for a month in one of the relevant departments of the country with a specialization of the center, this is a graduation requirement, with the class separation of the graduation project (Graduation Project) also lasts (15) weeks, meaning that the study period is one year .

Due to the diversity of the admission entries (Multi Discipliner), the first chapter was based on standardized lessons to Prepare the students according to a common planning language, with Elective lessons according to the proposed majors to qualify them for the second semester according to an Attached hereto Curriculum.

As for the third chapter, it included the preparing of the Graduation Project , where the student is granted a period of (15) weeks to prepare an application project for a field study on an elected problem in a city or governorate and to put Successful solutions for them .

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## **Summer training for the master's stage**

## **التدريب الصيفي لمرحلة الماجستير**

On summer vacation, after the end of the first school year, students submit



to a six-week training in the specialized concerned departments and institutions as, Baghdad Municipality , Municipalities, and the urban planning departments in Governorates, the Ministry of Planning, the Ministry of Housing and Construction, and the Ministry of Industry and Metals ... etc. This training is a curriculum requirement for the Master degree .

In the first Courses of the center, students were sent before graduation to

Specialized planning institutes outside Iraq for four-week training, under the supervision of teachers at the center.

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### **Study system for the master stage      نظام الدراسة لمرحلة الماجستير**

The duration of the study is two calendary years, according to the quarterly education system, with four semesters study.

In the first semester, student is given basic information, principles, and general theories about urban and regional planning with related support materials with specialization such as economics of planning and development, and statistics for planners, And process research so that students have the common ground and planning language For a variety of backgrounds (Bachelor), to be able to embody it in applied projects, especially on citywide. Scientific knowledge in specialization is increasing during the two semesters The second and third semesters to focus on quality planning materials for backgrounds related to the city, the province, and the region simultaneously for the student to own

Capacity in spatial planning. In the fourth semester, the student becomes a full-time student to write his letter after approving the title and the supervisor according to the applicable scientific contexts.

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## **educational subjects**

## **المناهج الدراسية**

As a result of a long period of time over teaching postgraduate study materials at the center and not making any changes on it ,the supervisor based on the instructions of the university presidency,This topic was brought up to the Scientific Committee in the center , to discose subjects in graduate studies

(Diploma, Masters, Doctorate) conform to development of the world on the subject of Urban and regional planning , and after several sessions The committee reached to approve the subjects for the academic year 2013-2014, and from what they find the badge and why The length of study causes courses for Master's stage, which was three courses And the consequent requests to extend Short time to write a letter, the Scientific committee reviews according to the recommendations of the Presidency of the University that The number of courses decreased from three to Two courses, according to what applicable in Faculties and institutes.

### **Curriculum for the diploma stage**

#### **First semester**

#### **For the academic year 2012-2013**

Basic materials	The number of hours			Units		
	theoretical	Practical	Total			
Principles in urban and regional planning	2	-	2	2		
Computer applications in planning	1	2	3	2		
Maps and Geographic Information Systems (GIS)	1	2	3	2		
Scientific research methodology	2	-	2	1		
Elective Courses: Choose one of the following groups:						
the group	Subject					
1- Basic plans for cities	Land use planning					
	Infrastructure planning					
2- Environmental planning	Principles in Environmental Planning		2	-	2	2
	Environmental protection technology		2	-	2	2
3- Local Planning	Principles in Decentralization					
	laws and regulations of Planning					
Total			12	4	16	11

## Curriculum for the diploma stage

## Second semester

For the academic year 2012-2013

Subject	The number of hours			Units	
	theoretical	Practical	Total		
city Basic plans					
Methods in urban planning	2	-	2	2	2
Urban housing planning	2	-	2	2	2
Urban management	2	-	2	2	2
The Applied project	1	3	4	2	2
<b>Total</b>	<b>7</b>	<b>3</b>	<b>10</b>	<b>8</b>	<b>8</b>
Environmental planning					
Environmental planning and sustainable development	2	-	2	2	2
Study of environmental impacts	2	-	2	2	2
(environmental laws and standards)	2	-	2	2	2
Analysis and evaluation					
Applied project	1	3	4	2	2
<b>Total</b>	<b>7</b>	<b>3</b>	<b>10</b>	<b>8</b>	<b>8</b>
Local planning					
Methods in regional planning	2	-	2	2	2
Development of local economies	2	-	2	2	2
planning and management Service	2	-	2	2	2
Applied project	1	3	4	2	2
<b>Total</b>	<b>7</b>	<b>3</b>	<b>10</b>	<b>8</b>	<b>8</b>

	<b>number of hours</b>	<b>Number</b>
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Subject	number of hours			of units
	theoretical	Practical	Total	
1- Concepts and theories in spatial planning	2	-	2	2
2- Urban planning( technical methods)	2	-	2	2
3- Economics of planning and development	2	-	2	1
4- Urban Sociology planning	2	-	2	1
5- Statistics for planners	2	-	2	1
6- Environmental planning (basics and general concepts)	2	-	2	1
7- An applied project in urban planning	1	3	4	2
8- English language	2	-	2	Completed
The total of hours and units	15	3	18	10

## Curriculum for the master stage

### First semester

For the academic year 2012-2013

### Second Semester

Subject	number of hours			Number of units
	theoretical	Practical	Total	
1- Regional planning (Technical methods )	2	-	2	2
2 Housing planning (Analysis and policies )	2	-	2	1
3- Transport planning (E)	2	-	2	1
4- Industrial site planning	2	-	2	1

5- Legislation and planning laws	2	-	2	1
6- Technologies in spatial planning	1	1	2	1
7- Regional planning project	1	3	4	2
total of hours and units	12	4	16	9

## **Curriculum for the master stage**

### **First semester**

### **For the academic year 2012-2013**

### **Third Semester**

<b>Subject</b>	<b>number of hours</b>			<b>Number of units</b>
	<b>theoretical</b>	<b>Practical</b>	<b>Total</b>	
1- Stables and spatial structure	2	-	2	
2- Infrastructure services planning	2	-	2	1
3- Urban Economy	2	-	2	1
4 Planning and managing land uses	2	-	2	1
5- Planning project (comprehensive)	1	3	4	2
6- One of the following optional courses: -Environmental planning policies -Architecture and urban design -Rural planning and development	2	-	2	1
total of hours and units	11	3	14	8

## Curriculum for the doctorate stage

### First semester

#### For the academic year 2012-2013

Subject	number of hours			Number of units
	theoretical	Practical	Total	
1- methods in Environment planning	3	-	3	3
2- Advanced methods in urban and regional planning	3	-	3	3
3- Regional science (E)	3	-	3	3
4 - Offers in urban planning	1	2	3	2
5- One of the following electives: History of city planning Housing planning Developmental Legislation and planning Planning philosophy	2	-	2	2
English language	2	-	2	Completed
Total	14	2	16	13

## Curriculum for the doctorate stage

### second semester

#### For the academic year 2012-2013

Subject	number of hours			Number of units
	theoretical	Practical	Total	
1- Advanced Transfer Planning (E)	3	-	3	3
2- Mathematical models and operations research	3	-	3	3
3- Methods in developmental planning	3	-	3	3

4 - Presentations in regional planning	1	2	3	2
5- One of the following electives: Desert Town Planning City morphology preservation and renewal Urban Urban management	2	-	2	2
Total	12	2	14	13

### Vocabulary of the curriculum for the diploma stage

<b>First Semester; General</b>	
<b>Subject</b>	<b>Syllabus</b>
Principals in Urban and Regional Planning	Discussion of planning levels (national, regional, local) and their interrelationships .study of human settlements and its hierarchy and interrelationships, while concentrating on regional capabilities and outlining impact of improving and developing these capabilities on human settlements.
Computer Applications in Planning	Adoption of quantitative, economic, and statistical applications in fields related to planning (population, activities, urban economics... etc) in addition to considering urban modeling and its concepts
Maps & Geographic Information Systems (G.I.S.)	Introduction to various types of maps and their function. Examining method of maps preparation and representation of natural and non natural features on subject maps, as well as interpretation and data extraction. Scale, manifestation, analysis. .etc will be discussed. Adopting analysis based spatial



	interaction among human and non-human activities, and investigating their correlation in order to build a geographic information system to assist planners in decision making
Urban Land Use Planning	Includes the study of factors and variables influencing urban land use, and how they are affected by social activities and customs, along with functional categorization of land use as well as laws and standards governing correlations between various uses
Infrastructure Planning	Study of design and planning standards to all infrastructures, outlining construction priorities and distribution according to planning importance and the connection land use activities. Also the study of infrastructure right-of-way requirements and distribution of services.
Principles in Environmental Planning	Examining general principles regarding locating various activities including industry and the connection to climate changes and environmental deterioration.
Environmental Protection Technique	Delimiting types, sources and nature of pollution and pollutants as well as control and possible methods of mitigation
Principles in Decentralization	Includes types of fiscal and administrative systems and regional relationships according to these systems. The study of administrative framework and technical and administrative interrelationships among townships within each governorate in light of its relationship to municipal councils representing local leadership and civil society organizations.
Planning Laws and Regulations	Review of important legislations and defining nature of legal interrelationships among administrative units and impact on authorities and the planning powers of planning departments in the administrative units
Methodology of scientific research	This subject deals with the epistemology of science and knowledge .The main components of this subject are as follow: Identification of problems for scientific research , formulation of research problem

	, the Importance of the problem , the goals of the research , writing the hypothesis , the Importance of theoretical framework , literature review , research methods , and conclusion and recommendations.
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### Vocabulary of the curriculum for the diploma stage

<b>Second Semester</b>	
<b>Environmental planning</b>	
<b>Subject</b>	<b>Syllabus</b>
Environmental Planning and Sustainable Development	Concentrates on environmental perspective its development in relation to economic and social aspects of the local community particularly the pure relation between economic activity and the environment, and how to reach a state of balance among them
Environmental Impact Study	Concentrates on essential methods in evaluating environmental impacts which include; E.I.A. (Environmental Impact Assessment), I.S.O. approach and others in addition to the analysis of possible environmental awareness methodologies.
Environmental Laws and Standards	Discussion of environmental laws concerned with physical and environmental aspects on both local and international level, as well as the parties entrusted with legislating these laws. The role of civil society institutions in bearing pressure in governmental establishments will also be reviewed.
Applied Project	Environmental study as a work team of an industrial establishment or institutions or sites that have a clear effect on the immediate and surrounding environment. The study includes a physical and planning perspective in addition to the environmental.

## Vocabulary of the curriculum for the diploma stage

<b>Local planning</b>	
<b>Subject</b>	<b>Syllabus</b>
Methods in Regional Planning	Major methods adopted in delimiting regions are discussed as a principle base in regional planning while outlining major methods of analyzing spatial structure and functional relationships, including structural plans preparation
Local Economies Development	Includes items related to analyzing the economic structure of administrative units, and concentrating on developing, improving and investing in available capabilities, and how to reach a balanced economic base in light of these capabilities within the framework of functional and regional relationships
Planning and Management of Services	Mechanisms for setting a policy to provide services (educational, medical, recreational, civil defense, infrastructure services, etc...) according to local and international standards, while taking note of how to derive and contrive standards according to local needs for each service. Also included method of managing and improving these services to meet needs of administrative units while taking into consideration the capabilities of the units.
Applied Project	Preparation of study by a work team aiming at delimiting a number of relationships and mechanisms needed to prepare a spatial plan for an area or region or governorate, while taking note of comparison with Arab and international experiences in the field.

## Vocabulary of the curriculum for the diploma stage

<b>Cities Master Plans</b>	
<b>Subject</b>	<b>Syllabus</b>
Methods in Urban Planning	Means of setting work methodologies for preparing master plans starting with information collection phase and required surveys and arriving at the alternatives evaluation

	and selection phase
Urban Housing Planning	Includes methods of forecasting and prediction as well as population and housing indicators such as housing inventory, housing need, housing densities,... etc.
Urban Management	Study of duties and tasks of municipal bodies and identifying municipal services provided and investigating how municipalities are dealing with resources as well as delimiting their relationships with civil society organizations, in addition to management practices of follow-up and implementation of municipal services and master plans.
Applied Project	A study by a work team to evaluate a master plan and setting alternatives for a selected city

### **Vocabulary of the curriculum for the diploma stage**

<b>Third semester</b>	
Graduation Project	Field study of a selected planning issue in a city or governorate within the framework of one of the above concentration, including the formulating of appropriate solutions under the supervision of a faculty member holding a PhD in urban and regional planning or equivalent field. A discussion will be held by a panel of three faculty member, one at least to be ranked Assistant professor. It is permissible that one member of the panel to be a specialist outside the university faculty, but should hold a PhD in the field and has earned his degree for no less than two years, or have taught in a university for no less than a year.

## Vocabulary of the curriculum for the Master's stage

<b>first semester</b>	
<b>Subject</b>	<b>Syllabus</b>
Concepts and theories in spatial planning (English)	The subject contains concepts and definitions of the region, urban and regional planning, strategic planning, theories of spatial development and central places, theories of spatial interaction and their impact on the components of urban area and its spatial structure as well as the standard methods of the relationship with some examples and variety of experiences.
Urban Planning (techniques)	This subject contains review and analysis of the general concepts in the planning of modern cities and their requirements with a focus on relations at the planning levels in general and cities planning development and review the development of theories of urban planning and urbanization, the problems of big cities, the standards of city planning as well as the features of the composition of the city in the tropics, planning Arab and Islamic cities and the characteristics and urban renewal.
The economics of planning and development	This subject contains an explanation and analysis of the balance of planning and economic development of the regions in addition to the regional dimensions of comprehensive development, the stages of the preparation of development plans, planning and human resources development, the population growth and spatial movement, the role of infrastructure planning in the development of regions and possible means to reduce economic and social disparities between regions to achieve a spatial development balance.
Urban Social Planning	This subject is related to the comprehensive

	<p>presentation of the urban social relations and how to employ them to serve the community and the possible means to reduce the differences between generations and shorten the desperations between urban communities in order to develop and linking the socio – economic fields and the foundations of human to help to adopt the spatial environment to strengthening urban community relations</p>
<p>Statistical for planners</p>	<p>Statistics is an important means to be used in planning processes in various stages. This subject deals with the statistical processes starting from the statistical design of questionnaire forms and collection of data and information through samples or comprehensive surveys and compilation and analysis by using of statistical measures such as the averages, measurements of central tendency, dispersible, variation, sampling, correlation coefficient, regression coefficient and statistical tests and others</p>
<p>Environmental planning (the fundamentals and general concepts)</p>	<p>This subject deals with the basic components of the process of environmental planning and analyzes the interactive relations between these components in addition to an environmental study of the natural factors and human especially in urban settlements, where the focus is on the grounds that the city is a system of integrated environmental, and will also be reviewed in terms of environmental components and implications of environmental problems and the ways and means to enable the urban planner deal with it in order to reduce.</p>
<p>Urban Planning Project</p>	<p>The project includes theoretical and practical aspects, the theoretical concept</p>

	deals with residential neighborhood, and sector in the city and aspects that should be taken into account when designing residential neighborhood being the smallest urban unit of the city, the specifications of this unit socially, economically, physically and environmentally and the requirements of the urban sites activities, with study of two neighborhoods the first one is with organic fabric and the second non-organic and their dimensions of planning. As for the practical side, it contains that each student designs a virtual model of residential neighborhood and discussed in the class during the design phases until the completion of the form required.
English Language	This subject focuses on the teaching of English language, grammar, talk and discussion as well as containing the definition of terms and the texts and concepts that are allocated in the urban and regional planning subject in English language. Study some of the themes of urban and regional planning within the curriculum in English and training the student to translate parts of the references of urban and regional planning in addition to the study of grammar and sentence structure and talk in English.

### Vocabulary of the curriculum for the Master's stage

second semester	
Subject	Syllabus
Regional planning (techniques)	Contains the definition of the economic basis of cities, thresholds of

	<p>development and the methods of calculation, as well as techniques and analysis of population estimates, in addition to the definition of advanced techniques of linear programming and regional input-output and among regions. Moreover examples of techniques for the regional town planning such as growth poles, satellite cities, the ring road, green belt and others</p>
<p>Housing planning (analysis and policies)</p>	<p>This subject deals with a general introduction and the concepts of housing and residential environment and the socio-economic importance of housing with respect to qualitative and quantitative for individual and family, and explaining the standard of housing, the demand for housing, housing supply, methods of calculation with the methods to bridge the gap between them, the issue of investment in housing sector and housing strategies and policies with the presentation of the experience of domestic and international planning in the fields of housing and residential programs.</p>
<p>Transportation Planning</p>	<p>This subject dresses the issue of transport planning within curriculum planning include the identification of transport planning and the development of the hypotheses, the definition of data required for the transport network, economic and social characteristics of the relationship, the volume of traffic and its relationship to land-use type and density, traffic surveys and methods and the use of transport models at the three levels national, regional and urban to identify possible alternatives as solutions to the problems of transport in short and long term</p>
<p>Planning of Industrial Locations</p>	<p>The main themes of this subject covering a review of the key actions and theories of the development project locations in general and the</p>



	<p>industrial site, in particular through the sequence of these actions with a systematic analysis consistent with the spirit of the times and different variables use to select planning the industrial location as well as the most important policies and methods used in the selection of the site and the best candidate among the alternatives with presentation of the most international experience.</p>
<p>Legislation and planning Laws</p>	<p>This subject dealt with the criticism and analysis of planning laws and legislation which approved in Iraq and the planner operate within its framework such as the law of municipal administration, the system of roads and building, the law of Baghdad master plan, the law on the protection and improvement of environment, the law of antiques and heritage, the law of the vertical housing, the decisions of the planning process and implementation of designs and law of the land types and others.</p>
<p>Techniques of planning spatial</p>	<p>It focuses on geographical information systems planning and emphasizes the three pillars, which include the GIS, the system of remote sensing and the spatial location and publicize the benefit of each of these systems and the relationship between them and a review of the possible analytical methods for each of them in particular, spatial analysis and analysis of networks in order to take advantage of them in the preparation of the plan and follow-up and beneficiaries of the process of building a geographic information system as well as a comprehensive.</p>
<p>Regional Planning Project</p>	<p>The project depends on the application of the state planning process to a region or “mohafadha” by developing independent long-term goals within a strategic plan and break down of this plan in five years medium-term plans and up to the annual investment plan</p>

	<p>which distribute the various sectoral projects to be implemented to achieve the goals of the plan and enable the planner to follow-up and evaluate the targets set. To learn the student through this article of the process of planning stages at the regional level starting from the collection of information and statistical data to develop appropriate planning alternatives and the selection of the best alternative where reviews the reality of the existing situation and diagnose problems that cause imbalance between human settlements by using the regional planning methods and various planning techniques to propose strategies and policies within the appropriate regional development goals set.</p>
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### Vocabulary of the curriculum for the Master's stage

<b>third semester</b>	
<b>Subject</b>	<b>Syllabus</b>
Settlements and Spatial Structure	<p>The introduction of this subject contains the most important concept and definitions of the settlements and identifying the geographical, economic and social concepts. The subject deals also with a historical overview and development of human settlement and the impact of location on the types of settlements and the spatial structure as well as the role of the spatial spread of population in modern community also study of mother city and underdeveloped around in addition to the study of over urbanization and the impact of rural on cities and the importance of the role of regional planning in distribution of human settlements</p>
Planning of infrastructure services	<p>The subject reviews the policies followed in the planning, implementation, operation and delivery of infrastructure (water, sewage, network, electricity ...), especially in urban settlement. In addition to addressing the characteristics of the</p>

	<p>design and operation of these services both in technical and social as well as the study of the planning standards used for the sustainability of infrastructure projects and the role of urban planner to influence the input and output of these services</p>
Urban economy	<p>This subject addresses the most important policies to the knowledge of urban economy and the basic concepts associated with and analysis of the key changes approved in economics of the city created by the speed of modern urbanization and its mechanisms of economic with land use within the city through economic policies and urban planning.</p>
Management of land use planning	<p>Definition of the concept of land-use planning at the national, regions, and cities levels and the environment associated with the spatial and the capabilities and limitations effecting the identification of the functional uses and their relationship to the mutual affecting and affected by economic, social and physical activities as well as humanitarian requirements and capabilities available to manage and sustain to be effective and moving in harmony with the spatial environment and maintenance of pollution and abuse.</p>
Comprehensive planning project	<p>The draft comprehensive plan contains of regional and urban study of a selected Iraq's "Muhafadhas" (province) where it can prepare a master plan of the city within its region since the student can learn the mechanics of the basic systems of the schemes of the city master plan on the basis of the characteristics of the region, which belong to the city. Thus develop the basic outline of the city. After the study of all the characteristics of the region of economic, social, environmental and physical planned as part of structural analysis of the "Muhafadha" or region then provide in the form of maps and systematic analysis of the basic components.</p>

<p>Policies in the environmental planning (optional)</p>	<p>This subject deals with the foundation of the formation of environmental policies on national and local level and the means to transform these policies in to plans and specific programs and mechanisms through which to achieve the goals and policies set and provide examples of recent programs in environmental planning and will be applied effectively in the area of environmental sustainability in addition to the analysis of mechanisms to access the sustainability of urban settlements.</p>
<p>Architecture and Urban design (optional)</p>	<p>This subject contains an overview of the general concepts of architecture and urban design and the traditional Arab architecture and contemporary, and the objectives of urban design in the tropical and dry areas and the relationship between urban design and visual pollution in the city and the impact of urban design in dimensions of social problems that occur such as crime and the importance of integrated urban design in strengthening social and economic relations between individuals in the community</p>
<p>Planning and Rural Development (optional)</p>	<p>This subject interested to show the social, economic and physical characteristics of rural planning compared with the urban planning, in particular and regional planning in general, the study of the composition of the village since the beginning of their formation throughout history. Clarify the most important characteristics for the time being, patterns and its significance and the development of the process of development in the countryside and their role in achieving food security and sustainable rural development in addition to the definition of the most important characteristics of the Iraqi experiment in rural planning, compared with some Arab and International experienc</p>

### Vocabulary of the curriculum for the Master's stage

<b>third semester</b>	
<b>Subject</b>	<b>Syllabus</b>
Urban economy	This subject addresses the most important policies to the knowledge of urban economy and the basic concepts associated with and analysis of the key changes approved in economics of the city created by the speed of modern urbanization and its mechanisms of economic with land use within the city through economic policies and urban planning.

### Vocabulary of the curriculum for the doctorate stage

<b>first semester</b>	
<b>Subject</b>	<b>Syllabus</b>
Regional Science	Analysis of the concepts of group of laws which govern the functional relationships of the region with the space measured by the scope of influence and sufficient to include multi and varied human settlements and study the distance within the space as a basis for the borders and the resulting of the saving in effort and economic activities within the laws of the spatial clustering and location such as (Losch) theory, (Alonso) theory and the laws of human settlements such as (Chris teller) theory of areas and centre and rank-size of (ZipF), growth poles and the definition of role of industrial complexes in the mechanisms of regionalization, then the subject deals with the elements of regional policies for the best distribution of settlements and the distribution of economic activities

	depending on the nature of place
Advanced Methods in Urban and regional Planning	The focus of the subject is on the models of spatial analysis and the models of spatial interaction and forecasting models of the components of the spatial structure, in addition to the spatial economic analysis. The model of analysis and forecasting the spatial economic and the thresholds, the models of best analysis and then the models of spatial plans evaluation the urban, the regional and rural, the matrix of targets and models for measuring the dispersion, , the residuals standards, the methods of determining the regions, and factor analysis and others.
Presentations of Urban Planning	This subject is presented as seminars, where the students are provided with a number of research topics among the problems that plague the cities of Iraq where the students to choose one or more and study it at the field, and being discussed by the professors and students every week to reach the best solutions of the urban problems
The History of Cities Planning (Optional)	The subject includes a comprehensive study and analysis of town planning and identification of human settlements across the history especially in the civilizations of Mesopotamia and Nile valley, and the Pre-Islamic and Islamic civilization. As well as the civilization of Greece and Rome and China, European industrial civilizations access to modern concepts of urban planning in contemporary.
Methods in Environmental Planning	This subject contains the definition and analysis of the impact of the environment (climate, social, natural, topographical) on the planning structure and design of the city and environmental balancing between the decisions of planning for cities and achieving goals which adopt a happy life and provide health and strengthening social and environmental linkage and the problems of air

	and noise pollution in the city and countryside ,and assigning students to prepare practical studies and presentations to analyze the negative and positive impact on the establishment of development projects and the better method to deal with.
Legislation and Development Planning (optional)	This subject includes a study, analysis and criticism of laws and legislation related to urban and regional planning in Iraq & certain countries
Philosophy of Planning	This subject provides an analysis of the topics of interest study of planning in general and urban and regional planning in particular, and clarify the main concepts of philosophy and intellectual, the justifications of the adoption of planning, what are the difficulties that the planning and the planner face? And are these difficulties on obstacle to be adoption? Or is it the difficulties must be addressed and overcome through identification of solution that helps to overcome? With the presentation of the key tests of planning at a national level and regional level
English Language	This subject contains the rules and grammar of English language with examples of normal and abnormal verbs and teaching the pronunciation, the composition of the statement, speak, and write, the use of dictionaries, the meanings and rules which asserts the words with examples of application within the concepts of urban and regional planning. This subject focuses o

## Vocabulary of the curriculum for the doctorate stage

<b>second semester</b>	
<b>Subject</b>	<b>Syllabus</b>
Advanced Transportation Planning	These subjects includes the objectives of urban transport and methods of shortening trip and make it easy, and reduce the cost of investment and operation, and reduce traffic accidents and also the mutual impact between urban planning and land uses and systems in all means of transport. This subject also includes studies on traffic and ways for the purpose of adoption in the development of plans to develop the master plan of the structure of cities beyond the definition and design of future generation of new towns in the countries of the world then study the morphology of the city of Baghdad and opportunities for restructuring the light of the different types of transport network
Techniques in development planning	Focus on the most modern methods adopted in the preparation of the economic and social plans whether in the economic systems which depends on central planning or those that rely on directed planning, cope with the methods and new technical development and the balance between the theoretical approach and the applied mechanics with providing a selected model as a rule and basic technique in the preparation of economic plans
Mathematical Modeling and Operations Research	Since the mathematical models are regarded as the foundation for operations research this subject focuses on analysis and methods used in operations and analysis of phenomena to assist in the decision- making in addition to the study of linear models, optimization models, models of gravity and (Markov) chains, the theory of waiting and gaming and the style of (pert) to serve within the topics of regional and urban



	planning analysis
Presentation of regional and urban planning (Seminar)	<p>This subject contains presentations of a seminar one or more than one for each student of a study worked by the student of a selected urban or regional problem reviewing his potential planning in analysis and provide solution and recommendations in accordance with the strategic vision for the development based on the theoretical dimension, adopted in the analysis and the planning methods used. Moreover the mechanism of this article depends on by giving lectures and advises from the professors which focused mainly on topics of spatial planning dimension to develop the main directions of the subject in front of the students to study, absorb and analyze to develop appropriate planning alternatives.</p>
Planning desert cities (optional)	<p>This subject addresses the following aspects which include the identification of the concepts of desert areas, the desert environment, the justification of the trend towards the reconstruction of the desert, the urban settlement in the desert areas, the nature of ecological factors in shaping the urban fabric of the desert settlements, and the foundation and concepts to be taken into consideration when planning and design of desert settlements, as well as desert eco-system and its levels (living and non-living) ecological components and human within the system and its interaction with other components and the effects of the natural characteristics in the planning of desert settlements and the especial specification of the desert buildings</p>
City morphology (optional)	<p>This subject deals with the concept of the formal composition of the city and the characteristics and patterns of morphology and mass destruction of urban elements and its current, and the environmental morphology associated</p>

	<p>with the function of the land uses of the city, and the impact of demographic, spatial variable and the natural geographical and geological factors on the format adopted for the city and the forces acting on the urban system. Also the characteristics of the form or the urban landscape and the urban body in addition to the relationship of the form and function, spatial dimensions and variables overtime, and community requirements of the functions of cities.</p>
<p>Conservation and urban renewal (optional)</p>	<p>This subject contains definition of cultural techniques dealing with the urban heritage and urban renewal and its applications in the cities of Iraq and the Arab- Islamic cities and communication between planning thought of old and intermediate Iraqi cities as a comparative analysis with the Arab- Islamic cities and the importance of the role of laws and legislation in the application to preserve the traditional Arab city and the style to ensure the originality of contemporary Iraqi city. Moreover the beneficiaries of the component function of the Arab- Islamic city and review comprehensive and detailed examples of the experiences related.</p>
<p>Housing Planning</p>	<p>Seven elements of a housing system: Land, Infrastructure and Municipal services, Public facilities and Community services, Labour force, Building materials, Financing and Authorizations', all of these requires a detailed study include mathematical methods, to calculate the housing need, and to develop the land, and defined housing standard related to housing, population densities and floor area ratio. The methods include the selection of sites and phases of housing projects. Planning and Developing Community-based Housing Programmers, housing finance is also included,</p>

	and an emphasis on labor force and Building materials and the importance of new technologies to reduce the cost and the price of the housing unit, finally doctorate students must be know how to deal with the housing policies and strategies needed.
Urban management (optional)	Urban management is considered one of the fruits of modern management to solve the problems of cities. Therefore it deals with the problems of poverty and slums and the deterioration of services in urban areas, and how to address it within the modern methods of planning and adopt the style of peoples' participation in implementation of the plans and city development and the role of contemporary technology of the decentralization methods in managements to develop cities and the importance of the role of the local administration in this field.

## **The first semester**

### **For the academic year 2013-2014**

a reference to the ordinance of the University Council Secretariat No. 30 S / 7036 on November 13 2013, which includes the approval of the President of the University on the session record of the third of the Center Held on October 29 2013, it had been agreed to update the curricula for the stage (diploma, masters, doctorate), that the study of masters be in two semesters and the second semester should be on the three scientific branches of the stage of higher diploma and masters according to what was stated in the book of the University Council no. 8870 / A at 12/26/2013 .

## The first semester

For the academic year 2013-2014

<b>The first semester General</b>		<b>theoretic al</b>	<b>Practica l</b>	<b>Tota l</b>	<b>Units</b>
1	Principles in urban and regional planning	2	0	2	2
2	Maps and geographic information systems	1	2	3	2
3	planning the use of Urban land	2	0	2	2
4	Principles of environmental planning	2	0	2	2
5	Scientific research method	2	0	2	1
6	Principles of local planning	2	0	2	1
<b>Total</b>		<b>11</b>	<b>2</b>	<b>13</b>	<b>10</b>

<b>The second semester Urban planning branch</b>		<b>theor etical</b>	<b>Practic al</b>	<b>Total</b>	<b>Units</b>
1	planning Structural Crutches	2	0	2	2
2	Styles in urban planning	2	1	2	2
3	Urban housing	2	0	2	2
4	Planning project	1	3	4	2
5	Urban management	2	0	2	2
<b>Total</b>		<b>9</b>	<b>4</b>	<b>13</b>	<b>10</b>

## The first semester

For the academic year 2013-2014

<b>The second semester regional planning branch</b>		<b>theor etical</b>	<b>Practic al</b>	<b>Total</b>	<b>Units</b>
1	Styles in regional planning	2	1	3	2
2	Planning laws systems	2	0	2	2
3	Local development	2	0	2	2
4	Place planning and economics	2	0	2	2
5	Planning project	1	3	4	2
<b>Total</b>		<b>9</b>	<b>4</b>	<b>13</b>	<b>10</b>

<b>The second semester Environmental planning branch</b>		<b>theor etical</b>	<b>Practic al</b>	<b>Total</b>	<b>Units</b>
1	Styles in Environmental planning	2	1	3	2
2	Environmental planning and development	2	0	2	2
3	Environmental approval technology	2	0	2	2
4	Legislation and environmental laws	2	0	2	2
5	Planning project	1	3	4	2
<b>Total</b>		<b>9</b>	<b>4</b>	<b>13</b>	<b>10</b>

The number of units for the first and second semesters = (20) nineteen units

The number of units for the graduation project = (7) Eight units

Total number of semester units and graduation project (27) Twenty-seven units.

## **Curriculum for a master's degree**

### **The first semester**

#### **For the academic year 2013-2014**

Elective Courses: The student chooses one of the following subjects:

- 1- urban Preservation and renewal
- 2- Architecture and urban design
- 3- decentralization and local development
- 4- Planning and management of localities
- 5- environment Economics and natural resources
- 6- rural Planning and development

Total units = (36) units distributed as follows:

- Classes = 26 units
- Master Thesis = 10 units

## Curriculum for a doctorate degree

### The first semester

#### For the academic year 2013-2014

Subject	number of hours			Number of units
	theoretical	Practical	Total	
1- Advanced methods in urban and regional planning in English language	3	0	3	3
2- Advanced housing planning	2	0	2	2
3- Regional science	3	0	3	3
4- Urban planning offers	1	4	5	3
5- Elective course	2	0	2	2
6- English language	2	0	2	Completed
7-Ethics of scientific research and philosophy of science	2	0	2	1
total	15	4	19	14

Students choose one of the following electives with one subject for each semester:

- 1- History of city planning
- 2- The philosophy of planning
- 3- policy and Land management
- 4- Methods in environmental planning.

## Curriculum for a doctorate degree

### The second semester

### For the academic year 2013-2014

Subject	number of hours			Number of units
	theoretical	Practical	Total	
1- Advanced transportation planning (in English)				
2- Mathematical models and operations research				
3- Methods in development planning				
4- Offers in regional planning				
5- Elective subject				
total				

Students choose one of the following electives with one subject for each semester:

1- Sustainable environmental planning

2- Feasibility studies and evaluating projects

3- Informatics and smart cities

4- Theories in urban design

- The number of academic units for the first and second semesters = 25 units

-The number of thesis units = 35 units



- Total units = 60 units

Registration Division

Headed by a certified employee

A related university and implement all

Regarding private registration matters

Students of the center.

**Number of students admitted**

Diploma 29

M.A.28

Ph.D.9

**The number of students graduating**

Diploma 26

M.A.14

Ph.D.6

**The number of students discussed**

Diploma 28

M.A.20

Ph.D.8

**The number of students who continue to study**

Diploma 27

M.A.78

Ph.D.35

## **Projects, messages and dissertations**

### **That was discussed in**

**2013-2012**

**2014-2013**

Ali Tahsin Ismail // Evaluation of the spatial signature of modern bridges in Baghdad// Prof. Firas Thamer Hammoudi Al-rawe

Haider Hamzah Najm// Evaluation of the distribution of green areas in Al-Diwaniyah city using geographic information systems //Prof. Amer Shaker Al-Kanani

Nadia Kazem Hassan // Models of successful alternative housing projects // Prof. Basil Ahmed Khalaf

Doaa Hameed Khalaf // A proposed plan to develop agricultural activity in Babel Governorate // Dr. Ali Karim Al-Ammar

Adel Jassem Mohamed // Real estate ownership and its role in determining growth trends //

Prof. Mostafa Abdel-Jalil El-Hadary, Religion Generation

Muhammad Musa Rasan Al-Saadi // Efficiency of educational services in suburban cities //Prof. Suha Mustafa Hamed Al-Dulaimi

Dr. Suad Jassim Muhammad // Study of health services in Salah al-Din Governorate using geographical information systems GIS // Prof. Mustafa Abdel Jalil

Abbas Odeh Abdel-Khader // Environmental Assessment of the Euphrates River // Dr. Arij Khairy Al-Rawi

Riad Dr. Ham Toukan // The role of environmental awareness in the Iraqi family in the disposal of solid waste // Dr. Nada Khalifa

Zuhair Saadi Hassoun // Coordination between the authorities involved in setting up primary schools // Prof. Suha Mustafa Hamid

Israa Amer Ashour // Legislative powers of irregular governorate councils // Prof. Loay Taha Al-Mal Hawwish

Suhad Sharek Thakab // Environmental Dimensions of Public Parks // Dr. Areej Khairy Al-Rawi

Firas Shahid Nuri // Factors Affecting Urban Population Standards // Prof. Dr. Amer Shaker

Kazem Abbas Hassan Al-Rubaie // Evaluating the efficiency of the spatial location of the Medical City in Baghdad // Prof. Dr. Nada Khalifa Al-Rikabi

Mustafa Youssef Jassem Al-Bayati // The Role of Building Technology in Addressing the Residential Needs // Dr. Lui Taha Al-Mollahoeash

Muhammad Hadi Hussein // The basic plan of Al-Gharaf city between planning and implementation // Prof. Dr. Kamel Kazem Bashir Al-Kanani

Muhammad Ziaa Jafar Al-Diwani // The impact of technology on the urban scene // Prof. Kamel Abdel-Razzaq

Abdul Qadir Muhammad Saud Al-Maini // The role of community participation in planning health services // Prof. Dr. Ali Karim Al-Ammar

Thuq Jawad al-Rubaie // The basic planner and the semiotics of the urban scene // Dr. Sobeih Ali al -Chalabi

Ammar Abdul Azim Shukur // Urbanization and Sustainability in the Iraqi city // Dr. Dr. Muhammad Salih Al-Quraishi

Nada Muhammad Abid al-Hayali // Spatial Effects of Transportation Costs in Dry Canal in Iraq // Dr. Muhammad Saleh Al-Quraishi

Ihssan Abbas Jassem // Public transport and its relationship to the urban form, the study area / the city of Kut // Dr. Firas Thamer Al-Rawi

Amna Hussein Sabry // The strategy of local development in Iraq, options in human resources and capacity-building // Dr. Kamel Bashir Al-Kanani

Taghreed Hamad Ali // The Role of Spatial Characteristics in Spatial Organization and Urban Formation of Human Settlements in the Anbar Governorate Region // Dr. Muhammad Jassem Al-Ani

p.87

### **Organizational Structure of the center**

The Human Resources Division is headed by an individual and administrative services employee who holds a certificate that takes on all tasks Concerning administrative and state affairs.

p.88

### **Library Division**

Its headed by an employees, who have a master's degree in information and libraries, he supervise the library and organizing it .

The Library Division

Contains the following units: -

Periodicals unit

Scientific Resources and References Unit

The library had seen many festivals of the university in the day of university, the outside and inside the center , and the interests of the Asiatic and developmental studies of the practical projects of the designers and the planning of the cities and the projects of the students.

P.89

**The Library Division contains**

Foreign Books (7305). )

- Arabic books) 2200. )
- Higher diploma projects. (110)
- Master Theses) 528. )

PhD theses (72). )

- Arab periodicals (28)
- Foreign periodicals (60)
- Conferences and symposia of the center. (6)
- Application planning projects and presentations for students of the center while studying (50). )

CDs for Higher Diploma projects (110)

And for master's theses

(225) and for PhD 51.

p.90

### **Quality Assurance Unit**

It is headed by one of the teaching staff with higher degrees and responsible for the tasks of quality assurance .The introduction and application of the quality system in various activities. Urban and Regional Planning Center obtained the second rank in the hierarchy to assess the overall performance of the academic year 2011/2011 of centers for institutes at the level of Iraqi universities and first rank for centers and institutes at the level of the University of Baghdad

p.91

### **Accounts Unit**

- 1 - We prepare the salaries for employees of the Center for distribution at the end of the month.
- 2 \_ Pay the student's monthly allowances.
- 3\_ Complete the accounting works for students 'fees and wages.
- 4- Conducting take and deposits works in the bank.
- 5\_ Prepare monthly tables and scales and send them to the university.
- 6 \_ Regulating and signing the instrument.
- 7 - Matching the bank detect.
- 8 \_ Pay the monthly lectures and supervision fees.
- 9 \_ Pay all advances related to maintenance and procurement committees.
10. Prepare the final accounts annually.

11\_ Relay to archives.

12\_ Follow up committees to distribute the Finance budget parts

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p.92

### **Cultural Relations Unit**

It consists of an employee holding a college degree who is responsible for affairs of cultural relations and scientific exchange Between the center and other scientific and academic institutions

P93

### **Media and Informatics Unit**

It consists of an employee with a university degree and preferably with experience in the media, computers and the Internet.

p.95

### **Contracts Unit**

It consists of an employee who holds a law degree and the unit works to organize contracts between the center and the contracting authority.

p.96

### **store and equipment unit**

It consists of an employee holding a university degree, who is in charge of maintaining and regulating stock records

Store affairs and conducting a final inventory of store inventory and compliance with records

p.98

### **Scientific Journal**

A specialized bi-annual scientific journal issued by the Urban and Regional Planning Institute For postgraduate studies at the University of Baghdad, the first issue was issued in march 1995 holds the classification number (x1996-983:ISSN) it publishing scientific research in all disciplines of the center

It has been issued (27) part until the preparation of this guide, and the magazine has an advisory body consisting of a number of Prominent professors in urban and regional planning specialties from the University of Baghdad and out it .

p.99

### **The topics that the magazine cares about**

Urban planning

urban economy

Regional planning

social urban

Industry locations

geography of cities

Targeted Operations Research

Towards planning

urbanism



Housing planning  
city

Arabian

Urban planning and environmental design studies

urban design

Environment pollution  
planning

tourism

Planning laws  
processes

economic and social development

Rural development  
dimension

and everything related to the spatial

p.100

### **Twenty-seventh issue**

<b>Research title</b>	<b>researcher</b>	<b>Page</b>
the decentralization, regional developmental approach to tackle the problems of excessive urbanization in Iraq	Dr. Hussein Ahmed Saad Al-Shadidi	23
planning the tracks of high pressure lines and its effect on air pollution in the city	Prof. Haider Abdul-Razzaq Kamunah Dr. Adraa Hashem Mohamed	43-24
Assessing the economic conditions of living in Mosul: population and housing 2007-2004 for a period	Prof. Atheel Abdul-Jabbar Al-Jumard Maan Raeeq Younis	63-44
Estimate the amount of biogas emitted from sanitary landfills in the Iraqi city - case study – al Ramadi	M. Areej Khairy Othman al rawe	54-75
Social preparation before the	Dr.. Shaker Saeed	76-88

reconstruction of the desert Research in social behavior	Yassin	
Impact of D.B.M. Best practices on Community Rehabilitation Projects	Dr. Rafid Abdul Latif Abdul Kadir	113-89
Concepts and applications of the possibility of sustainable planning and design in housing d	. Deaa Rafeeq Murjan	114-130
Sustainability in accessing urban services (case applied in al Najaf Al-Ashraf city)	Zainab Abdul Zahra Jaafar	139-131
, the Islamic window for financing urban housing	Prof. Loay Taha Al-Molahoesh Amal Mansour Hassan	132-148
the planning stuffs in Iraq	Najil Kamal Abdul Razzaq Dr. Mason Mohi Hilal	156-149
The effect of orientation with the influence of sunlight on the urban development of commercial streets in The city of Baghdad	Assistant teacher Adel Zamil	174-157
Modeling the distribution of primary schools in the city of Fallujah using Geographical information systems G.I.S	. Dr.. Ahmed Salman Hammadi Al-Falihi,	194-175

p.103

### **Planning Consulting Office**

The planning consultancy office at the Institute of Urban and Regional Planning for Postgraduate Studies at the University of Baghdad was established in 1994 by the decision of the University of Baghdad

Council and with the approval of the Ministry of Higher Education and Scientific Research . The establishment of this edifice came in support of the important scientific efforts that aim to raise the level of cities and regions in Iraq and contribute to advancing the development process in the country.

P104

### **Achievements of the consulting office for the year 2013**

Achievements of the planning consultancy office

-The planning consultancy office is completing the strategy for developing the city of Talafar and updating its basic design.

-The planning consultant office accomplishes the strategy of developing Deloia city and modernizing the design

The main thing

The planning consultancy office completes the strategy for the development of the city of Dujail and updates its basic design.

p.106

### **Geographic Information Systems Lab**

The Geographic Information Systems Laboratory was established at the Institute of Urban and Regional Planning for Postgraduate Studies with the help of the PRT organization and the laboratory was opened on 24/11/2009.

p.107

### **Lectures given by the laboratory**

\*Getting started with GIS (Desktop 1 ) Arc GIS 9.3 \*Tools and Functionality (Desktop 2 ) Arc GIS 9.3 \*GIS work flows and analyses (Desktop 3 ) Arc GIS 9.3 \*Creating and editing parcels \*Spatial analyst \*NET work analyst \*Working with geometric networks \*ARC GIS server \*Geodatabase design concepts \*Building GDB \*Introduction to multiuser geodatabase \* Managing editing work flow in the multiuser geodatabase \* Erdas imagine \* Image analysis.

p.108

### **Continues Education Unit**

It consists of an employee holding a university degree who is responsible for organizing programs and training courses. Preparing a schedule that includes the courses that are supposed to be held by the institute and sent them to the continues Developing and Educating Center of University of Baghdad ongoing program so that they can circulate it to the beneficiaries to address the parties concerned with conducting the courses in order for the participation of our employees and teaching staff in the courses held by those authorities. Scheduling the courses in which our members participated and dispatching the statistics unit to the participants. Attending a special meeting for the continuing education units to discuss the matters of the courses.

p.110

### **Scientific unit**

It is chaired by one of the teaching staff with higher degrees and scientific experience, following up the institute's scientific activities And follow the activities of the lecturers from publishing research and participating in conferences

p.111

## **Conferences and symposia**

### Sixteenth Scientific Symposium

“The role of the urban observatory in urban development”

Under the patronage of His Excellency the Minister of Construction and Housing, Mr. Muhammad Sahib Al-Darraji, the center hold this morning

On 04/4/2012 Wednesday in the Hall of the Ministry of Construction and Housing / National Center.

p.112

## **The symposium axes**

Economic and social development

Population (shelter)

Environment management

General background

Infrastructure

Local administration

Transport

p.113

## **Symposium recommendations**

- Emphasizing the necessity of forming a committee from the Ministry of Construction and Housing, the Ministry of Planning and the Urban and regional planning center for postgraduate studies to Create the National Urban observatory.

- Ensure that the committee works to establish and build up sub-urban observatories in all of the Iraqi provinces in cooperation and coordination with the ministries and relevant authorities

- The committee decides to coordinate with the United Nations Human Settlements Program in the field of Establishing and operating urban observatories

.Strengthening the role of urban indicators as an effective tool in urban management (planning, regulation, Guidance and oversight). And their approval by the Supreme Advisory Committee of the Urban Observatory in Preparation of enforcement policies and plans.

- It is necessary to build on the participatory approach and enable all partners and stakeholders involved in the development process and Urban development policies and programs( local councils, civil society organizations, Private sector) by involving them in the Supreme Advisory Committee of the Urban Observatory

- The supreme advisory committee of the urban sub-observatories will agree on a minimum of The indicators required to be collected at the city level in order for the indicators to be a benchmark for comparison Between them, while taking into account the specific indicators of each city.

- Emphasizing the necessity of functional integration between geographic information systems and statistical programs In collecting, producing and analyzing indicators. By making use of the Geographical Information Systems Lab at the Urban and Regional Planning Institute for Graduate Studies and Urban Observatory In the Ministry of Construction and Housing and the National Center of Geographic

Information Systems in the Ministry of planning and Development cooperation.

Training trainers in cooperation with the United Nations Human Settlements Program, including Construction and Population Ministry staff , the Ministry of Planning and the Center of Urban and Regional Planning to be the nucleus

To build and develop the capabilities of the sub-urban observatories that will be established.

p.114

### **Conferences and symposia**

The seventeenth scientific symposium (( Sustainable development planning is a step towards Environment Protection )) in the presence of His Excellency the Minister of Planning Professor Dr. Ali Yousif al-Shukry

the Urban and Regional Planning Center For postgraduate studies had Established a scientific seminar in cooperation with Environment research center in the University of Technology and the Ministry of Planning .The seminar was held in the hall The Ministry of Planning for a period of two days . (4/19/2012-18)

p.115

### **The themes of the symposium**

Green cities

Sustainable infrastructure

Sustainable transportation

Alternative Energy

Urban environmental sustainability

Urban and regional experiences in Sustainability field

Sustainability in the population.

p.116

### **Symposium recommendations**

- The Ministry of Planning obliges ministries and governorates to include indicators of sustainable development Within the feasibility studies of investment projects, with environmental assessment for development projects of regions proposed by it to decide according to the national development policies and plans for Iraq
- The Ministry of Education introduces the “environment” as a subject in the primary and secondary education curricula and the establishment of Higher education ministry by including it as a subject taught in Iraqi universities, to establish the principle of Environmental citizenship and sustainable environmental awareness which is a right of generations.
- The establishment by the Ministry of Construction and Housing and the General Directorate of Urban Planning of the Ministry of Municipalities, By employing planning standards according to a sustainable and environmentally friendly development vision and simulating standards The world that pours into the sustainability of natural resources and for the sake of access to city planning

A sustainable residential neighborhood in accordance with the principle of hierarchy of services.

- The Ministry of Agriculture in coordination with the Ministry of Municipalities and the local authorities in the governorates By activating sustainable rural development for rural human settlements in accordance with interconnected sustainable plans For rural villages, it



takes into account the principle of preserving agricultural areas and reducing random excesses.

- The Ministry of Environment sets up databases on standard pollution thresholds and rates Pollution in the places of installations and specific sites to measure pollution using Modern digital techniques , enacting environmental laws that impose fines for abuse that exceeds Permissible pollution standards and values.

- The Ministry of planning supported and assigned the Center for Urban and Regional Planning through: -

Activating the Law of the Center No. 116 of 1971

- Summer training for the center's students at the Ministry's headquarters and in the planning units because of its Positive impact in building the capabilities of students of the Planning Institute on one hand and building the capabilities of workers in the Planning units in the provinces on the other hand.

- Activating the process of establishing the Iraqi Planners Syndicate, which cut off the preparation committee by the center An important way in proposing its law, tasks and goals.

p.117

### **Conferences and symposia**

The Sixth International Scientific Conference

“Lands Administrating in Iraq with its planning and legal dimensions.”

The Urban and Regional Planning Center at the University of Baghdad holds its sixth international scientific conference In Baghdad Hotel dated (16/5 / 2013-15) under the patronage of His Excellency the Minister of Higher Education and Scientific Research Professor Ali Muhammad Hussein al-Adeeb, who was met by Professor Mohsen Abd Ali, Advisor of His Excellency

p.118

### **Conference Axes**

- The legal and institutional dimension in land administration and addressing various legislations and land and property laws.
- Land and environment management, presenting issues of land degradation, housing in fragile and dangerous lands, expansion at the expense of agricultural land, urban inflation, slums, and land sustainability.
- The third theme in the conference, which was held in cooperation with the Ministry of Planning, Municipalities, Environment and Culture, to strategic land use planning.
- The fourth axis on modern tools in the land process and land management in the context of investment, and the fifth axis was devoted to the experiences of countries in land management.

p.119

### **Conference recommendations**

#### **Final recommendations of the Land Administration Conference with its planning and legal dimensions**

- Adopting legislation for urban planning law in Iraq that has been completed

Its draft recently .

Activating the principle of new cities and satellite cities.

Improving the hierarchy of cities in governorates.

- Activating the role of the Urban and Regional Planning Center in the institutional frameworks That adopts the problem of slums in Iraq.

- Seek to ensure the smooth flow of traffic and transportation through the construction of ring roads association around major cities and surrounding cities, which contributes to the promotion Spatial development of peripheral areas in urban areas.
- The importance of providing planning and municipal departments in the ministries of planning and municipalities , environment and the provinces with the planners of the graduate degrees in Urban and regional planning by opening a private channel to accept employees of These departments at the center of urban and regional planning

p.120

- The importance of transforming the high-level diploma in the strategy planning is the faculty of management and economics to the Regional and planning centers because it is the Specialized and contains Specialized professors in planning , which qualifies them to qualify competencies in planning.
- Adopting the creation of a scientific article on land management that falls within

The scientific aspects of the center of the Regional and urban planning For the graduate studies, a pre-requisite for the academic staff will be held in the administration.

The importance of land as a resource scarce The conference proposes to coordinate the appointment of the Ministry of Education to include the land administration resources in the primary and secondary school curricula in the development context of the community environmental awareness.

p.122

**The future plan for the study year 2014-2013**

- Seminar: The role of governorate councils in preparing Local and national development plans . 12/12/2014

- Seminar: Information Technologies and the Future of Cities in developing Countries 12/12/2014

- Seminar on the role of planning in reducing the impact of climate change

On Iraqi cities 15/15/2014.

- Workshop: Quantitative Methods in Urban And regional Planning - importance - and uses 15/11/2014.

- Modifying the curricula of the stages of higher diploma, masters,

PhD (and distributes lessons over two semesters, by instructions of the Presidency of the University of Baghdad.