



Ministry of Higher Education and Scientific
Research

Basra University/ College of Arts
Department of Geography and Geographical Information
Systems

Annual Scientific Plan

Department of Geography and Geographic Information systems
For the academic year 2019/2020

First: Department Council

The department council is composed of the following faculty members, according to the seniority of the scientific title and certificate:

position	Specialization	The scientific title	Certificate	Instructor's name
Chairman of the Board	Industry geography and development	Assistant Professor	PhD	Hamid Attia Abdul Hussein Al-Jourani
member	geography of desertification	professor	PhD	Abdullah Salem Al-Maliki
member	Population geography	professor	PhD	Bassem Abdelaziz age
member	Geomorphology	professor	PhD	Nameer Nazir Murad
member	Medical and health geography	professor	PhD	Aamal Saleh Abboud
member	Life sciences/ invertebrates and aquatic environment	professor	PhD	Shakir Badir Abdullah

member	Population geography	professor	PhD	Adnan A'nad Ghaidh
member	geopolitics	Assistant Professor	PhD	Abdul Rahman Ali Abdul Rahman
member	soil geography	Assistant Professor	PhD	Najim Abdullah Raheem
member	Urban geography and planning	Assistant Professor	PhD	Osama Ismail Othman
member	jurisprudence and beliefs	Assistant Professor	PhD	Abdul Razzaq Rahim Salal
member	environment and pollution	Assistant Professor	PhD	Sorour Abdul Amir Hamzah
member	environment and pollution (environmental pollution)	Assistant Professor	PhD	Shukry Ibrahim Al-Hassan
member	geography of cities	Assistant Professor	PhD	Salman Maghames Abboud

member	environment and pollution (environmental changes)	Assistant Professor	PhD	Ahmed Mays Sudkhan
member	Geomorphology	Assistant Professor	PhD	Muhammad Abdul-Wahhab Hassan Al-Asadi
member	geography of cities	Assistant Professor	PhD	Adel Abdel Amir Abboud
member	Energy geography	Assistant Professor	PhD	Rashid Abdul Rashid
member	computerized information systems	Assistant Professor	Master's	Khadija Abdel-Zahra Hussein
member	regional geography	Assistant Professor	Master's	Huda Khaled Shaaban
member	Geomorphology	Assistant Professor	Master's	Amer Abdel Karim Mahmoud

member	language and grammar	Teacher	PhD	Kifaiah Madhkoor Shalash
member	geomorphology and environment	Teacher	PhD	Salem Jassim Salman
member	geography of cities	Teacher	PhD	Firas Sami Abdel Aziz
coordinator	Cartography	Teacher	PhD	Rabab Abdul Majeed Hamid
member	Geographical thought	Teacher	PhD	Nadia Nouri Ali
member	social geography	Teacher	PhD	Muhammad Khudair Salman
member	life geography	Teacher	PhD	Hala Mahmoud Shaker
member	health and environment	Teacher	PhD	Ibtihal Shaker Majeed
member	Population geography	Teacher	Master's	Hoda Daoud Najm

member	geography of water resources	assistant teacher	Master's	Kholoud Kazem Khalaf
member	geology	assistant teacher	Master's	Jassim Jabbar Ajeel
member	agricultural geography	assistant teacher	Master's	Souad Abd Allah
member	computer software systems	assistant teacher	Master's	Bashir Abdul Muttalib

Second: Formation of committees

In order to facilitate the educational, pedagogical and administrative process in the department and to distribute responsibilities and organize work, the following committees were formed from the teaching staff as shown below:

Position	Specialization	The name
Chairman	Industry geography and development	Asst. Prof. Dr. Hamid Attia Al-Jourani
member	desertification	Prof. Dr.. Abdullah Salem Al-Maliki
member	Geomorphology	Prof. Dr. Nameer Nazir Murad
member	medical geography and health	Prof. Dr. Amal Saleh Abboud
member	geography population	Prof. Dr. Adnan Anad Al Ugaili
member	Geography of the soil	Prof. Dr. Najim Abdullah Rahim
member	geopolitics	Prof. Dr. Abdul Rahman Ali Abdul Rahman
Coordinator	Urban geography and planning	Prof. Dr. Osama Ismail Othman

member	environment and pollution	A.M.D. Shukry Ibrahim Al-Hassan
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2- Postgraduate Studies Committee

Position	Specialization	The name
Chairman	Industry geography and development	Prof. Dr. Hamid Attia Al-Jourani
member	Population geography	Prof. Dr. Basim Abdulaziz Othman
member	Life sciences/ invertebrates and aquatic environment	Prof. . Dr. Shaker Badr Abdullah
member	geography of cities	Prof. Dr. Salman Maghames Abboud
member	environment and pollution (environmental changes)	Asst. Prof.Dr. Ahmed Mays Sudkhan
member	Geomorphology	Asst.Prof.Dr. Muhammad Abdul- Wahhab Hassan Al- Asadi
member	geography of cities	Asst. Prof. Dr. Adel Abdul Amir Abboud

member	Energy geography	Asst.Prof. Dr. Rashid Abdul Rashid
member	computerized information systems	Asst. Prof. Khadija Abdel-Zahra

3- Examination Committee for Preliminary Studies

Organic	The name
Chairman	Hamid Attia Al-Jourani
member	Osama Ismail Othman
member	Ahmed Mays Sudkhan
member	Adel Abdul Amir Abboud
member	Khadija Abdel-Zahr
member	Rabab Abdul Majeed Hamid
member	Hala Mahmoud Shaker
member	Jassim Jabbar

4- Examination Committee for Postgraduate Studies

Position	The name
Chairman	Prof. Dr. Hamid Attia Al-Jourani
member	Najim Abdullah Rahim
member	Shukry Ibrahim Al-Hassan
member (Reserve)	Abdul Rahman Ali

5- Curriculum Follow-up Committee

Year	The name
First	Adnan Inad
second	Muhammad Abd-al-wahab
third	Amal Saleh Abboud
fourth	Namir Nazir

6- Plagiarism Check committee (for scientific promotion)

Branch	The name
natural	Abdullah Salem Al-Maliki
Human	Basim Abdulaziz Al-Othman
natural	Nameer Nazir Murad
Human	Amal Saleh Abboud
natural	Najim Abdullah Rahim
Human	Osama Ismail Othman

7- A committee Quality and performance evaluation

Position	The name
Chairman	Hamid Attia Al-Jourani
member	Shaker Badr Abdullah
member	Abdul Rahman Ali Abdul Rahman
member	Rabab Abdul Majeed Ali

8- Scientific seminars and discussion panels

Position	The name
Seminars Administrator	Rashid Abdul Rashid
Seminars Assistant Administrator	Hoda Daoud Najm
Responsible for discussions	Shukry Ibrahim Al-Hassan

9- Educational Supervision Committee

Stage	The name
First (courses system)	all teachers
the second	Adnan Inad Huda Daoud
the third	Muhammad Abdul-Wahhab Al-Asadi Khadija Abdel-Zahra
fourth	Adel Abdul Amir Abboud M.D. Nadia Nouri

10- Monitoring the achievement rates committee for postgraduate students

Position	The name
member	Nameer Nazir Murad
member	Amal Saleh Abboud

11- Social Committee

Position	The name
member	Mohamed Abdelwahab Hassan
member	Amer Mahmoud
member	Huda Khaled Shaaban
member	Muhammed Khudair
member	Jassim Jabbar

12- The reception committee for first-year students

Position	The name
member	Ahmed Mays Sudkhan
member	Sorour Abdul Amir Hamza
member	Abdul Razzaq Rahim Salal
member	Hala Mahmoud Shaker
member	Ibtihal Shaker

13- Student Affairs Follow-up Committee

Position	The name
Students Affairs	Osama Ismail Othman
Student Affairs	Rabab Abdul Majeed Hamid

14- Follow up committee of student absences

Stage	The name
first	Bashir Abdul Muttalib
the second	Ibtihal Shaker Majeed
the third	Kholoud Kazem
fourth	Nadia Nouri

15th- Follow up committee of student absences

Educational level	The name
first	Adnan Inad
the second	m Souad Abdullah Fasih
the third	Abdul Razzaq Rahim Salal
fourth	Abdul Rahman Ali Abdul Rahman

16- Committee for hosting visiting professors and discussions

Position	The name
member	Salman Maghames Abboud
member	Adel Abdul Amir Abboud
member	Amer Mahmoud
member	Salem Jassim
member	Kifaiah Mazkooor

Third: Scientific Outcomes

1. The number of students expected to graduate

The department seeks to invest and multiply the efforts of the distinguished faculty in achieving the highest scientific levels and success rates in order to obtain scientific outputs with quantitative and qualitative efficiency. Therefore, it is expected that the department will witness the graduation of about (200) students for the academic year 2019-2020

2. Number of registered scientific theses (Masters and Ph.D.)

The department is expected to witness the registration of (10) master's thesis and (5) doctoral thesis.

3. Postgraduate students

It is hoped that graduate students that will be accepted in the department for the academic year as follows:

2019-2020 (15) Master's and (6) Ph.D.

Fifth. Scheduled school hours:

1- Total number of hours of study for primary and postgraduate studies

a. **Initial studies:** Number of credits x 15 weeks

Total	Course 1	Course 2	stage
570	285	285	first
690	315	375	the second
615	285	330	the third
600	300	300	fourth
2475	1185	1290	Total

NS. **Graduate Studies:** Number of modules 12 hours x 15 weeks

PhD		
Total	Course II	Course I
360	180	180

Masters		
Total	Course 1	Course 2
360	180	180

2- Scheduled hours for faculty members

1- Prof. Dr. Hamid Attia Abdel-Hussein / Assistant Professor / Quantum (4) Head of Department

number of lectures	stage	Subject	NS
6	fourth	NS. industrial	1
8	fourth	Graduation Project	2
14	Total		

2- Prof. Dr. Namir Nazir Murad

number of lectures	stage	Subject	N S
6	fourth	seas and oceans	1
8	fourth	Graduation Project	2
14	Total		

3- Prof. Amal Saleh Abboud

number of lectures	stage	Subject	NS
6	first	Geostatistics K2	1
6	the second	search method1	2
8	fourth	Graduation Project	3
14	Total per course		

4- Prof. Dr. Shakir Badr Abdullah

number of lectures	stage	Subject	NS
6	first	Statistics (K2)	1
9	the second	Quantitative Analysis Methods K1	2
8	fourth	Graduation Project	3
14	The sum of the first course		
17	The sum of the second course		

5- Dr.Adnan Inad Ghayyad / professor

number of lectures	stage	Subject	NS
6	first	Geography of Africa and Australia as 2	1
6	the second	Population geography as 1	2
8	fourth	Graduation Project	3
14	Totalfor the first course		
14	Total for the second course		

6- Prof. Dr. Najm Abd AllahNS Rahim quorum

number of lectures	stage	Subject	NS
6	the second	Soil geography as 1	1
8	fourth	Graduation Project	2
17	Total		

8- Dr. Salman Maghames Abboud / Assistant Professor

number of lectures	stage	Subject	NS
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9	the third	Geography of cities as 1	1
8	fourth	Graduation Project	2
17	Total		

9– Dr. Shukri Ibrahim Al-Hassan/ Assistant Professor

number of lectures	stage	Subject	NS
6	fourth	environmental problems	1
8	fourth	Graduation Project	2
14	Total		

10- Dr Mohamed Abdel-Wahhab / Assistant Professor

number of lectures	stage	Subject	N S
4	first	GeomorphologyNS (K2)	1
6	the second	remote sensing /k1/ theoretical	2
6	the second	remote sensing /k2 / practical	3

6	the third	An applied project in information systems K2	4
8	fourth	Graduation research	4
14		Total for the first course	
24		Total for the second course	

Dr. Sorour Hamzah

number of lectures	stage	Subject	NS
6	the second	c/tourist/k1	1
6	the second	Transport geography/km2	2
8	fourth	Graduation Project	2
14	Total for each course		

12. Dr Osama Ismail Othman / assistant professor

number of lectures	stage	Subject	N S
6	fourth	Planning and Development	1
8	fourth	Graduation Project	2

14	Total
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13- Dr Abdul Rahman Ali Abdul Rahman / assistant professor

number of lectures	stage	Subject	NS
6	the third	Geopolitics as 1	1
6	the third	Geopolitical theories K2	2
8	fourth	Graduation Project	2
14	Total for the first course		
14	Total for the second course		

14- Khadija Abdel-Zahra Hussein / assistant professor

Total	practical	theoretical	stage	Subject	NS
6			the second	Information Systems K2	1
6			the third	Practical Information Systems K1	2

9			the third	Spatial analysis in information systems / km2	3
8				Graduation Project	
14			for the first course Total		
14			Total for the second course		

15- Dr.. Abdul Razzaq Rahim Salal / Assistant Professor

number of lectures	stage	Subject	NS
	first	The art of creative writing	1
	first	creative writing	2
	Total		

16–Dr. Adel Abdel-Amir Abboud / Assistant Professor

number of lectures	stage	Subject	NS
6	fourth	life geography	1
8	fourth	Graduation Project	2

14	Total
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17–Dr. Rashid Abdel Rashid / Assistant Professor

number of lectures	stage	Subject	NS
6	the third	NS. The Arab world as 1	1
6	The second	c/ energy/ k2	
8	fourth	Graduation Project	2
14	Total for the first course		
14	Total for the second course		

18- Dr. Kefaya M. Shalash / Lecturer

number of lectures	stage	Subject	NS
	first decisions	Arabic	1
	Total		

19–Dr. Firas Sami Abdel Aziz

number of lectures	stage	Subject	NS
9	fourth	C/ Iraq	1
8	fourth	Graduation Project	3
17	Total		

20-Dr. Salem Jassem Salman / Lecturer

number of lectures	stage	Subject	NS
6	first decisions	General geology/ km1	1
3	the second	soil/k 1	2
6	first decisions	C Africa and Australia K2	3
8	fourth	Graduation Project	2
17	Total for the first course		
14	Total for the second course		

21- Hoda Khaled Shaaban / Assistant Professor

number of lectures	stage	Subject	NS
6	the third	NS. America St. K1	1
6	the third	NS. America JK 2	2
8	fourth	Graduation Project	3
14	Total for the first course		
14	Total for the second course		

22–Huda Daoud Najm / Lecturer

number of lectures	stage	Subject	NS
6	the second	demography as 2	1
6	first	Public space as 1	2
8	fourth	Graduation Project	3
14	Total for the first course		
14	Total for the second course		

23–Dr.. Rabab Abdul Majeed Hamid / Lecturer)

number of lectures	stage	Subject	NS
6	the second	Distribution Maps (K1)	1
6	first	Cartography/ K2	3
8	fourth	Graduation Project	3
14	Total for each course		

24–Dr.. Nadia Nouri Ali / Lecturer)

number of lectures	stage	Subject	NS
6	fourth	Geographical thought	1
6	first decisions	Think geographical as 1	3
8	fourth	Graduation Project	
20	Total for the first course		
14	Total for the second cycle (annual)		

25– Abdel-Karim Mahmoud / Assistant Professor

number of lectures	stage	Subject	NS
6	the second	Applied Geomorphology/C1	1
6	the third	water resources/km2	
8	fourth	Graduation Project	3
14	Total for each course		

26- Jassim Jabbar Ajeel - Assistant Lecturer - PhD Student

number of lectures	stage	Subject	NS
6	first	geology/km1	1
6	first	public space / 1 sq	2
8	fourth	Graduation research	3
20	Total		

27–Kholoud Kazem Khalaf / Assistant Lecturer / PhD student

number of lectures	stage	Subject	NS
6	first	Weather Science K1	1

8	fourth	Graduation research	2
14	Total		

28–Souad Abd AllahNS Fluent / Assistant Lecturerl PhD
Student

number of lectures	stage	Subject	NS
6	the third	NS. agricultural / km 1	1
8	Raba	Graduation Project	2
14	Total		

29 - Dr.Muhammad Khudair Salman / lecturer

Total	stage	Subject	NS
6	first	Geographical thought / k1	1
6	the third	c/ social/ k2	2
8	fourth	Graduation research	3
14	Total for each course		

30– Dr. Ahmed Mays Sudkhan / Assistant Professor

Total	stage	Subject	NS
6	the third	c/field/k1	1
6	the third	c/ ecology/ k2	2
8	fourth	Graduation research	3
14	Total for each course		

31-Hala Mahmoud / Lecturer

Total	stage	Subject	NS
6	the third	NS. life as 1	1
6	the third	K2 agricultural problems	2
8	fourth	Graduation research	3
14	Total for each course		

32- Ibtihal Shaker / lecturer

number of lectures	stage	Subject	NS
6	the second	c / asia / k1	1

3	fourth	Environmental Issues (Annual)	2
8	fourth	Graduation research	3
17	Total for the first course		
11	Total for the year		

33- Bashir Abdulmutallab / assistant lecturer

Total	stage	Subject	NS
6	the second	k 1 . calculator	1
			2
8	fourth	Graduation research	3
14	Total for each course		

33- Haitham Mahdi / assistant lecturer / external lecturer

number of lectures	stage	Subject	NS
6	the second	English Language / K1	1

6	the second	English Language/K2	2
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35- Prof. Fahad Mazban/ Professor/ External Lecturer

number of lectures	stage	Subject	NS
9	fourth	geopolitics	1

36- Shaimaa Sami (Master)/ External Lecturer

number of lectures	stage	Subject	NS
6	first	K2 . climate	1
9	the third	microclimate as 1	

Sixth: materials Graduate Studies

Semester 1

(1) Subjects For the first semester/ For the academic year
2019/2020

for natural geography/ Masters

number of units	Instructor's name	Subject Name	N S
2	Abdullah Salem Al-Maliki	The problem of desertification in southern Iraq	1
2	Basim Abdulaziz	Geographical Research Methods	2
2	Nameer Nazir Murad	Characteristics of sedimentary environments in southern Iraq	
2	Ahmed Miss sdkhan	Characteristics and problems of water resources in southern Iraq	3
2	Najim Abdullah Rahim	Soil properties in southern Iraq	4
2	Muhammad Abd-al-wahab	Satellite visual analysis	5
2	Ahmed Jassim Al-Hassan (Lecturer)	applied climate	6
2	Abdul Karim Al-Hadithi	the language English	7
2	Khadija Al-Nasser	Geographic Information Systems	8

(2) Study materials for the first semester/ For the academic year 2019/2020

Human Geography/Master's

number of units	Instructor's name	Subject Name	NS
2	Basim Abdulaziz	Geographical Research Methods	1
2	Amal Saleh Abboud	Applied studies in medical geography	2
2	Adel Abdul Amir	Urban problems in southern Iraq	3
2	Salman Maghames Abboud	uses Earth Urban area	4
2	Rashid Abdul Rashid	Energy problems in southern Iraq	5
2	Shkri Ibrahim Hassan	Environmental pollution in southern Iraq	6
2	Abdul Karim Al-Hadithi	English language	7
2	Khadija Al-Nasser	Geographic Information Systems	8

(3) Study materials for the first semester/ For the academic year 2019/2020

Natural Geography/PhD

number of units	Instructor's name	Subject Name	NS
2	Abdullah Salem Al-Maliki	Biodiversity in southern Iraq	1
2	Nameer Nazir Murad	Quaternary geomorphology in southern Iraq	2
2	Shaker Badr	advanced quantitative analysis	3
2	Najim Abdullah Rahim	Soil problems in southern Iraq and ways to maintain them	4
2	Abdul-imam Imam Nassar	detailed climate	5
2	Muhammad Abd-alwahab	Morphometrics of rivers in southern Iraq	6
2	Mohamed Qasem	English	7

(4) Study materials for the first semester of the academic year
2019/2020

Human Geography/PhD

number of units	Instructor's name	Subject Name	NS
2	Shaker Badr	advanced quantitative analysis	1
2	Amal Saleh Abboud	Health problems in southern Iraq	2
2	Basim Abdulaziz	Social geography problems in southern Iraq	3
2	Adnan Inad	foundations and quantitative applications in population geography	4
2	Osama Ismail	Theory and practice in urban planning	5
2	Hamid Attia	The oil industries and their developmental impacts	6
2	Abdul Rahman Ali	Modern geostrategic theories	7
2	Mohamed Qasem	the language English	8

Semester 2

(1) Study materials for the second semester/ For the academic year 2019/2020

natural geography/ Masters

number of units	Instructor's name	Subject Name	N S
			1
			2
			3
			4
			5
			6
			7
			8

(2) Study materials for the second semester/ For the academic year 2019/2020

Human Geography/Master's

number of units	Instructor's name	Subject Name	NS
			1
			2
			3
			4
			5
			6
			7

			8
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(3) Study materials for the second semester/ For the academic year 2019/2020

Natural Geography/PhD

number of units	Instructor's name	Subject Name	NS
			1
			2
			3
			4
			5
			6
			7

(4) Study materials for the second semester/ For the academic year 2019/2020

Human Geography/PhD

number of units	Instructor's name	Subject Name	NS
			1
			2
			3
			4
			5
			6
			7
			8

Note: The postgraduate study materials for the second semester will be determined and approved at a later time, and will be attached to an official letter with the academic plan for this year.

Planned seminars:

The title of the discussion	Instructor's name
Spatial distribution of heavy metals in the soils of Al-Shatra district	Nameer Nazir Murad
Synchronous epidemics: their space-time trajectories	Amal Saleh Abboud
Characteristics and indicators of sustainable development	Adnan Anad ghayyad
Effect of water tension of soil of different textures from Basra Governorate on plants developing	Najim Abdullah Rahim
The functional district of health services in the city of Zubair	Salman Maghames Abboud
In the stylistics of scientific research: The Chicago Manual as a model	Shukry Ibrahim Al- Hassan
Factors of settling the sweets and pastries industry and its problems in Karbala governorate Holy	Hamid Attia Abdel Hussein

the changes cadastral for the period 2010-2018	Sorour Abdul Amir Hamza
modeling digital for the impact of operations chemical on shapes the floor in province Basra	Mohamed Abdel Wahab Hassan
Environmental security: a geopolitical vision	Abdul Rahman Ali Abdul Rahman
The geography of spatial behavior: concept and approach	Osama Ismail Othman
geographic computing Geo-computational	Khadija Abdel-Zahra Hussein
The effect of rural migration on some social characteristics of urban residents	Adel Abdel Amir Abboud
Efficiency of services Structure Infrastructure In the city of Khor Al-Zubayr (Iraq)	Firas Sami Abdel Aziz
Iranian rivers effect on southern system on the hydrological system of the Shatt al-Arab stream in southern Iraq	Salem Jassim Salman
Indicators of demographic well-being in Basra Governorate	Hoda Daoud Najm
Environmental changes in the marshes of southern Iraq during 40 years	Ahmed Mays Sudkhan
Archaeology environmental for nature reserves in preserving the biodiversity of the marshes	Hala Mahmoud

Scientific research methods and their impact on the development of the status of research and researchers	Abdul Razzaq Salal
Types of artificial intelligence and their uses	Bashir Abdul Muttalib
Statistical analysis of the settlement of manufacturing industries in the governorates of southern Iraq	Rashid Abdul Rashid
The compound verbal verb in the scholars' commandments to kings	Thekra Madhkoor
Classification of theses and theses at the University of Basra	Nadia Nouri
University violence and its effects on outcomes students/ The Faculty of Arts as a model.	Muhammad Khudair Salman
Measuring indoor air quality in Zubair city	Ibtihal Shaker
Deep Machine Learning in Neural Networks	Bashir Abdel Muttalib
graduate student	Jassim Jabbar Ajeel
graduate student	Kholoud Kazem Khalaf
graduate student	Souad Abdullah
Features and trends of regional studies for geographers at the University of Basra In half a century for the period 1968-2018	Hoda Khaled Shaaban

Statistical applications within the information environment geographical

Dr. Rabab Abdel Majeed Hamid

Eighth: Discussing scientific theses and student research

During the academic year 2019-2020, the department is expected to witness the discussion of (5) doctoral thesis and (10) master's thesis.

About (200) graduation papers for students of the fourth stage of morning study will also be discussed

Ninth: The planned scientific symposia

The department seeks to participate in seminars and conferences that are held inside and outside the university and according to the scientific disciplines that the department seeks to develop through that participation.

Semester 1

Established date	title
The second week of the month of 11 / 2019	Recent trends in geographical research
2nd week of December 2019	Environmental hazards and safety

Semester II

Established date	etitle
The second week of the month of 11 / 2019	The importance of modern geographical techniques in applied geographical research
2nd week of December 2019	Electricity in Iraq: problems and solutions

Tenth: Subjects for the undergraduate study

The department, through the committees formed, seeks to introduce and approve the modern curricula in teaching by holding several scientific meetings at the level of department heads for the faculties of arts in Iraq. There is an annual meeting on the curricula. Below are the curricula recently approved for the department, which are:

First level / first course (course system)

hours	Assistant Curriculum	educational subjects	Subject
2			weather science
2			general geology

2			public space
2			Geographical thought
2			Arabic
1			Sports
1			Professional Ethics
2			Principles of critical thinking
2			foundations of philosophy
2			The art of creative writing
18			Total

The first level / the second course (courses system)

hours	Assistant Curriculum	educational subjects	Subject
2			climatology
2			Geomorphology
2			Maps
2			geostatistics
2			Regional geography of Africa and Australia
2			English
2			calculators
2			Arabic writing rules
16			

Second Stage / First Semester (Course System)

hours	Assistant Curriculum	educational subjects	Subject
3			Applied Geomorphology
3			c/ soil

2			c/ population
2			Distribution Maps
2			Remote Sensing (theoretical)
2			Research Methodology
2			NS/ Asia regional
3			quantitative analysis methods
2			c/ tourism
2			calculator
2			ILanguageEnglish
25			

Second stage / second semester (courses system)

hours	Assistant Curriculum	educational subjects	Subject
2			Remote Sensing (my work)

2			information systems geographical (theoretical)
3			c/ transport
2			The demography
2			c/energy
3			computer
2			NS/ aurAndpa regional
3			Applied climate
2			the language English
21			

Third stage / first semester (courses system)

hours	Assistant Curriculum	educational subjects	Subject
2			NS/ North America
2			field study
2			geopolitics

2			NS/ Arab world
2			geographical field
3			c / cities
3			The local climate
2			life geography
2			GIS
2			the language English
22			

Third stage / second semester (courses system)

hours	Assistant Curriculum	educational subjects	Subject
2			c/ South America regional
3			Spatial analysis using GIS
2			Geopolitical problems

2			agricultural problems
2			social geography
2			Principles of ecology
2			An applied project in information systems
2			c/ water resources
2			English
19			

Fourth stage (annual system)

hours	Assistant Curriculum	educational subjects	Subject
3			c/ political
2			Planning and Development
2			C/ seas and oceans

3			environmental problems
2			c/ industrial
3			C/ Iraq
2			c/ life
2			Geographical thought
2			Graduation Project
21			

Eleventh Planned Continuing Education Courses

The department, through its scientific and administrative staff, contributes to the active participation in continuing education courses, which are held by the Continuing Education Center for the administrative staff in the department.

Twelfth: Field Practice

The department seeks to involve students in field practices related to graduation research for the fourth stage, as well as students' research for the third stage within the subject of the field study. A group of professors give various lectures weekly in order to prepare the third stage students to write research, and for various topics within Basra Governorate related to vital topics within the

development programs to serve the country related to finding solutions to a number of problems that the reality suffers from and the aim of that is to serve the community and the country. And in aggregate for several different applied research that includes the (agricultural, commercial, industrial and environmental), educational, service, health, recreational, and other aspects. Students are also familiarized in practice with the devices and equipment that are included in their applied research, especially the fourth stage students who are required to do graduation research, and this applies to graduate students in their field of specialization.

Thirteenth: Department Board Meetings

The department council holds its meetings periodically, with one meeting every two weeks, or whenever necessary. The meeting will be at ten o'clock in the morning on Tuesday of the week.

Fourteenth: Important dates

The department programmed the semester and final exams for all academic levels according to the university calendar for the academic year 2019-2020 as follows:

1. The first semester exam will be in 12/1/2020 up to 2/2/2020.
- 2- Spring break begins in 3/2/2020 until 17/2/2020.
- 3- The second semester begins in 2/18/ 2020 until 4/6/2020.
- 4- Final exams begin 7/6/2020
- 5 - The summer vacation starts at 1/7/2020 up to 31/8/2020.

Fifteenth: Occupational Staff

Workplace	Career Title	Certificate	Names
Department Library	head of research	Bachelor of Arts	Fatima Ali Ghani
Department secretariat	daily payment	Bachelor of Philosophy	Noor Akl Nazzal
Environmental Research Unit Laboratory	Older chemical	Bachelor of Science	Zuhair Ghazi Awwad
Archiving books and mail	supervisor	Diploma in Mechanics	Emad Abdel Aziz Kaddour
GIS Lab	Associate observant	Bachelor of Arts	Osama Kaddouri Hadi
Department services and department library	third teacher	Industry prep	Mahmoud KhairallahNS Slaves
Department services	Services employee		Amin Kazem Awfi

Sixteenth: Plan analysis and implementation rates

For the last academic year (2018/2019)

1- Completion rate (90%)

2- The factors that prevented the implementation of the plan:

The scientific plan for the past year has been implemented, with the exception of scientific trips outside the governorate for students and visiting professors, due to the difficulty of travel, the lack of capabilities and the professors' association with other obligations.

3 alternative suggestions:

A- Provide some special devices for some materials that need display and analysis devices.

B - Availability of some modern sources.

C - Providing classrooms for the department.

D - Increasing the number of computers, and expanding the computer room to accommodate the number of students.

4- The necessity of obligating all teachers to participate in the strengthening and education courses held by the Department of English and Translation, as well as educational courses because

of their impact on preparing qualified educational and psychological staff, and considering this as one of the main pillars in the annual calendar.

6- Establishing a meteorological station that contains devices related to the various elements of the climate .

Seventeenth: Gifts and prizes for teachers

Some of the teachers received gifts and prizes from the Deanship of the College of Arts for their active participation in the annual conference of the College of Arts. Our department also honored the professors with prizes for their participation in the seminars held by our department, and some professors in our department were honored by the College of Education for Girls or the Center for Arab Gulf Studies And the studies of Basra and other colleges for their participation in those seminars and scientific meetings, as well as the books of thanks that varied from the presidency of the university and the deanship of the college Literature.

Eighteenth: Scientific Promotions

During the end of the last academic year (2018/2019), a number of faculty members in the department received the scientific promotion, as follows:

Notes	Current scientific title	Previous scientific title	Teacher's name	NS
Obtaining a Ph.D	Teacher	assistant teacher	Rabab Abdul Majeed Hamid	1
Obtaining a Ph.D	Teacher	assistant teacher	Muhammad Khudair Salman	2
Obtaining a Ph.D	Teacher	assistant teacher	Hala Mahmoud Shaker	3
Obtaining a Ph.D	Teacher	assistant teacher	Ibtihal Shaker Majeed	4

Assistant Professor Dr.
Hamid Attia Abdul-Hussein Al-Jourani
Head of Department