



Ministry OF Higher Education and Scientific Research

University: Basrah

College: Education for Humanities

Scientific Department: geography

Academic System:...annual

File filling date: 1/7/2025

Academic program and course description guide

University name: University of Basra

College/Institute: College of Education for Humanities

Scientific Department: Geography Department

Name of the academic or professional program: Geography.

Name of final degree: BA in Geography

Academic system: annual

Description preparation date: 1/7/2025



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Mr. Dr. Abbas Abdulhassan Kadim



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Mr. Dr. Asaad Abbas Hindi



check the file before Division of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University Performance

Division: A.T. Makram Jamal Abbas



Authentication of the Dean

A.P.D. Wissam Jumaa Laftah

1. Program Vision

• Program Vision

The College of Education for Human Sciences seeks to be one of the leading higher education institutions at the University of Basra in the field of modern education and scientific research through its scientific, research and administrative activities, and the preparation and training of students to ensure high-level outputs in geography by providing the best vocabulary, study and training programs and adopting the latest teaching methods to develop the department's outputs continuously, as the program seeks to encourage geographical scientific research and keep pace with the scientific progress •The program seeks to encourage geographical scientific research in a manner that keeps pace with scientific progress to advance the economic, social, cultural and civilizational development frameworks in order to reach integration in its scientific mission and achieve the best educational environment capable of serving the community.

2. • Program mission

. Preparing scientific cadres of academically qualified researchers in the field of geography to work by dealing with government departments and institutions, as well as twinning with the corresponding geographical departments in local, regional and international colleges

3. Program Objectives

.• Developing the capabilities of students and graduates with regard to the electronic computer in the view and perception of the problems faced in the ladder of its civilizational development and contribute to finding successful treatments and solutions to them

- Highlighting the role of the geographer in life through the application of the principle of geography, the pillar of planning and the study of everything on the ground, as the Encyclopedia of Geographers qualifies them to be the most capable among researchers to link and analyze various natural and human phenomena
- Contributing geographer to creating a better human environment by providing scientific methods that enable those interested in development affairs to identify the components of the geographical situation of any geographical environment for all its elements related to man and earth.
- Developing effective interaction in the societal environment to ensure the crystallization of a serious scientific, cultural, civilized and realistic position on the human reality.
- Application of modern scientific methods and techniques such as geographic information systems and remote sensing, which have become effective tools in the element of cognitive solidarity

4. Program Accreditation

None

5. • Other external influences

None

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	6	15	8,2	Basic decision

College Requirements	11	42	23	
Department Requirements	40	126	68.8	
Summer Training	View the application (fourth stage)			
Other				

* This can include notes whether the course is basic or optional.

7. Program Description: This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, proving whether he has made the most of the available opportunities and is accompanied by a description of each course within the program.

<ul style="list-style-type: none"> • Educational institution • Scientific Department • Name of the academic or vocational program • Name of the final certificate • Annual academic system / courses / others • Accredited Accreditation Program • Other external influences • Date of preparation of the description 	<ul style="list-style-type: none"> • University of Basra • College of Education for Humanities / Geography • Geography education / Geography • Bachelor of Education / Geography • Semester courses • Association of Arabic Universities • Ministry of Education • 1 / 7 / 2025 		
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- Objectives of the academic program the department seeks to achieve the following objectives:
- Preparing teachers with a bachelor's degree in geography.
- Preparing a group of outstanding students from the department to complete their postgraduate studies in the field of physical and human geography.
- Preparing research and studies in the field of geography, which enhances the relevant literature.
- Providing applied studies in geography and sustainable development

8.program Architecture				
Educational stage	Course Code	Course Name	Credit Hours	
			Theoretical,	Practical.
2023–2024 Stage I		Weather and Climatology	1	
2024–2025 Stage I		Cartography and remote sensing	1	
2024–2025 Stage I		Africa and Australia	2	
2024–2025 Stage I		Earth's surface morphology	1	
2024–2025 Stage I		Educational psychology	2	
2024–2025 Stage I		History of Iraq and the ancient Arab world ...	2	
2024–2025 Stage I		Human rights and democracy	1	

2024-2025 Stage I		Arid regions	1	
2024-2025 Stage I		Biogeography	1	
2024-2025 Stage I		Computer Principles	1	
2024-2025 Stage I		Arabic Language ...	2	
2024-2025 Stage I		English Language Level 1	1	
2024-2025 First stage		Foundations of breeding	2	
2024-2025 Second stage		Applied Climatology ...	3	
2024-2025 Second stage		Applied Earth surface forms	1	
2024-2025 Second stage		Geography of Eurasia	2	
2024-2025 Second stage		Population geography	2	
2024-2025 Second stage		Secondary education and educational administration	2	
2024-2025 Second stage		Developmental Psychology	2	
2024-2025 Second stage		History of the Islamic Arabic State	2	
2024-2025 Second stage		Geographical techniques	1	
2024-2025 Second stage		Hydrology	1	

2024–2025 Second stage		Geography of development and planning	1	
2024–2025 Second stage		Geography Oil & Energy	1	
2024–2025 Second stage		Thematic cartography	1	
2024–2025 Second stage		Rural geography	1	
2024–2025 Second stage		English –2	1	
2024–2025 Third stage		Industry Geography	2	
2024–2025 Third stage		Agricultural geography	2	
2024–2025 Third stage		Geography of cities	2	
2024–2025 Third stage		Geography of medical resources	1	
2024–2025 Third stage		Geography of the Americas	2	
2024–2025 Third stage		Counseling and mental health	2	
2024–2025 Third stage		Geographical Statistics	1	
2024–2025 Third stage		Curricula and teaching methods	2	
2024–2025 Third stage		History of Iraq and the modern Arab world	2	
2024–2025 Third stage		Geography of Tourism	1	

2024-2025 Third stage		Detailed climatology	1	
2024-2025 Third stage		Soil geography	1	
2024-2025 Third stage		Geographical search methods	1	
2024-2025 Third stage		English Language -3	1	
Fourth Stage 2024-2025		C\Politics	3	
Fourth Stage 2024/2025		Geographical thought	2	
Fourth Stage 2024/2025		c/ The Arab world	3	
Fourth Stage 2024/2025		c/ Transportation	3	
Fourth Stage 2024/2025		C/Iraq	2	
Fourth Stage 2024/2025		C/Environment	2	
Fourth Stage 2024/2025		Geographic Information Systems	2	
Fourth Stage 2024/2025		Measurement and evaluation	2	
Fourth Stage 2024/2025		Watch & Apply	2	
Fourth Stage 2024/2025		Graduation Research	2	

8.Expected learning outcomes of the program

Knowledge

1- Provide students with sciences related to the environment

- 2– Consolidating educational and scientific principles in a way that contributes to the development of society and raising its status and pride.
- 3– Deepening geographical knowledge to keep pace with modern development
- 4– Knowing the important and basic sources of modern geographical thought
- 5 – Knowledge of modern geographical research methods in all disciplines
- 6– Providing students with applied science and knowledge that serve the community and contribute to solving societal and environmental problems.

9.Skills

- 1–Graduating qualified teachers equipped with scientific geographical knowledge
- 2 – Preparing researchers and educators capable of bringing about educational and scientific change in society
- 3 – Teaching the student how to review important scientific sources and sources

10.Values

- 1– Follow successful scientific methods and means in teaching and creating knowledge of the principles of geography.
- 2– Applying the principles of education in order to achieve scientific and educational benefit in order to improve society
- 3– Spreading and consolidating the theoretical and practical aspect in a way that raises the advancement of society

11.Teaching and learning strategies

- Explanatory lecture with explanation and examples using a display screen with a blackboard.
- Scientific discussions, dialogue and the use of modern technologies to absorb and benefit from Internet sites, electronic and paper books.
- Monthly essay or objective written tests.
- Grades awarded for daily participations and duties.
- Oral exams.
- Grades for research and reports related to the subject of the lecture and for attendance and regularity in lectures.
- Agreed and non-agreed exams.
- Classroom and extra-curricular duties.
- Communicate with students intellectually and develop their ability to work with confidence, listen, accept the other opinion, discuss and partner in teamwork.

12.Evaluation methods

- Daily tests with questions related to the subject
- Submit research papers with a solid scientific plan.
- Conduct monthly written exams

14 Educational institutions

Members of the educational institution

Academic Rank		Specialization		Special Revetments/Skills (F Applicable)		Preparation of the teaching staff	
		general	special				
professor		Geography	Doctor of Philosophy in Natural Geography			owners	lecturer
professor		Geography	Doctor of Philosophy in Human Geography			5	
Assistant Professor		Geography	Doctor of Philosophy in Natural Geography			10	
Assistant Professor		Geography	Doctor of Philosophy in Human Geography			1	
Teacher		Geography	Doctor of Philosophy in Natural Geography			4	
Teacher		Geography	PhD in Human Geography			1	
Assistant Lecturer		Geography	Master in Physical Geography				
Assistant Lecturer		Geography	Master in Human Geography				

15–Professional development Mentoring new faculty members

- Attention to the external appearance and uniform of the university professor.
- Attention to the moral aspect with the teaching staff and students.
- Cooperation on the administrative side and providing assistance to the examination committees.
- Interest in scientific publishing in local, Arab and international journals.
- Encourage them to participate in academic activities, including conferences, seminars and workshops.

Professional development of faculty members

Program Skills Outline															
				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
The first		Weather and climate science	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Cartography and remote sensing	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Africa and Australia	Basic	/	/	/	/	/	/	/	/	/	/	/	/

		Science of Earth's surface shapes	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Educational psychology	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		The history of Iraq and the ancient Arab world	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		English	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Computer science	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Arabic	Basic	/	/	/	/	/	/	/	/	/	/	/	/

		human rights	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		C– Dry regions	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Biogeography	Basic	/	/	/	/	/	/	/	/	/	/	/	/
the second		Developmental psychology	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Applied climatology	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Applied geomorphology	Basic	/	/	/	/	/	/	/	/	/	/	/	/

		C- Eurasia	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		C- Population	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Secondary education and educational administration	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Developmental psychology	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Geographic techniques	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		History of the Islamic Arab state	Basic	/	/	/	/	/	/	/	/	/	/	/	/

		Hydrology	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Development and planning	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		C- Oil and energy	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Rural geography	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		English language level 2	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Thematic cartography	Basic	/	/	/	/	/	/	/	/	/	/	/	/

Third		Industry geography	Basic	/	/	/	/	/	/	/	/	/	/	/	/
		Agriculture geography	Basic												
		Geography of cities	Basic												
		Geography of natural resources	Basic												
		Geography of the Americas	Basic												
		Counseling and mental health	Basic												

		Geographic statistics	Basic												
		Curricula and teaching methods	Basic												
		The history of Iraq and the modern Arab world	Basic												
		Tourism geography	Basic												
		Soil geography	Basic												

		Geographic al research methods	Basic												
		English language level 3	Basic												
		Detailed climatology	Basic												
Fourth		Geopolitics	Basic												
		Geographic thought	Basic												
		The Arab world	Basic												

		Transportat ion geography	Basic												
		Geography of Iraq	Basic												
		geography the environme nt	Basic												
		Geographic information systems	Basic												
		Measurem ent and evaluation	Basic												

		View and apply	Basic												
		Graduation research	Basic												

Course Description Form

Course Name: Biogeography	
Biogeography	
Course Code: 1	
Semester / Year:	
11/6/2025	
Description Preparation Date:	
11/6/2025	
Available Attendance Forms:	
My presence only	
Number of Credit Hours (Total) / Number of Units (Total)	
60 hours / 2 hours weekly	
Course administrator's name (mention all, if more than one name)	
Name: Dr. Iman Karim Abbas	
Email: eman.abass@uobassrah.edu.iq	
Course Objectives	
<p>1- Introducing the student to the importance of biogeography and its branches.</p> <p>2- The student's knowledge of the geography of humans, animals and plants.</p> <p>3- Paying attention to the natural environment and teaching branches that mimic it.</p> <p>4- Explaining biogeography and its impact on humans.</p>	
Teaching and Learning Strategies	

1- Educational strategy, collaborative concept planning.					
2- Brainstorming education strategy.					
2- Education Strategy Notes Series					
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	The importance of biogeography Its branches and its relationship with other sciences Human geography, animal geography, plant geography	Biogeography	1- Theoretical lecture 2- Oral questions	Monthly, daily, written exams, and the end-of-year exam.

		<p>National parks</p> <p>Natural Reserves</p> <p>Marine protected areas</p> <p>Ecosystem and green belts</p> <p>Biogeography and its impact on humans</p>			
Course Evaluation					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources					
<p>1- Dr. Al-Sayyid Khaled Al-Matari, Saudi Publishing and Distribution House, first edition, 1981.</p> <p>Hassan Abu Sammour, Biogeography and Soils, Al-Safaa Printing and Publishing House, first edition, 1999.</p>					

Course Description Form

Course Name: •	
Geography of Dry Regions	
Course Code:2 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
60 hours / 2 hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: Ruwaida Mustafa Mansoor Email: ruwaida.mansoor@uobasrah.edu.iq	
Course Objectives •	
1- Knowing what is the geography of dry regions 2-Focus on the geographical aspects, both natural and human, and show the geographical problems that exist in such an arid environment. 3-Knowing the person's mutual role in benefiting or harming him	dy of geography of power and ewable kinds and its distribution.
Teaching and Learning Strategies •	
1. Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. 3. A set of notes on education strategies.	
Course Structure •	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 hours	<p>The importance of dry regions, the geography of dry regions, the method of discussion and debate</p> <p>Daily preparation, quizzes, monthly exams, and final .exams</p> <p>Definition of drought and dry regions</p> <p>Causes of dehydration</p> <p>The importance of climate in dry regions</p> <p>Climatic characteristics of dry regions</p> <p>The geomorphological importance of drylands</p> <p>The diversity of desert land forms</p> <p>Prevailing geomorphological processes</p> <p>In dry regions</p> <p>Soil, characteristics ,of desert soils</p> <p>Soil and water salinity challenges</p> <p>The importance of water resources in dry regions</p> <p>Diversity of water resources</p> <p>Water uses in drylands</p> <p>Agricultural resources in dry lands</p>			

		Industrial production in dry regions			
		Environmental problems and dangers in Dry lands Desertification problem			
		Drought problem			
		Sand and dust storms Environmental pollution Geography of Dry and Regions			
		Lecture and discussion Weekly, monthly, daily, written tests, and the .final yearly test			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
M– Hassan Ramadan Salama, Geography of Dry Regions, first edition, Faculty of Arts, University of Jordan, 2010.					

Course Description Form

Course Name: •
Geography of weather and climate
Course Code: 3 •
Semester / Year: •
2024-2025
Description Preparation Date: •
11/6/2025

Available Attendance Forms: •					
In presence					
Number of Credit Hours (Total) / Number of Units (Total) •					
60hours / 2 hours weekly					
Course administrator's name (mention all, if more than one name) •					
Name: Marwa Farid Odeh Kazem Al-Atbi ..email: marwa.auda@uobasrah.edu.iq					
Course Objectives •					
1- Teaching students and developing their abilities to study different climatic conditions resulting from different weather elements 2- Teaching students how to present the material using modern technology.			Study of geography of power and renewable kinds and its distribution.		
Teaching and Learning Strategies •					
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 hours	- Definition of climatology and meteorology - The relationship between climate and meteorology Secondly - the atmosphere -The nature of the atmosphere	Geography of weather and climate	Lecture and discussion	Weekly, monthly, daily, written tests, and the final yearly test.

		-Atmosphere installation -Atmospheric pollution Third: Solar and terrestrial radiation -The importance of solar radiation -The nature of solar radiation -The solar constant -Ground radiation Fourth - temperature -Thermal inversion -Thermal anomaly -Vertical change in air temperature Temperature measuring systems Fifth: Air masses, fronts, and hurricanes -Weather depressions -Anti-cyclones -The impact of Mediterranean depressions on the climate of Qatar Sixth: Condensation -Condensation images -the fog -Frost -Dew -the clouds			
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		Seventh: Air humidity Humidity terminology -hygrometer Eighth-the wind - Tools for measuring wind speed and direction			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
The foundations of climate science were by Sabah Muhammad Al-Rawi and Adnan Hazza Al-Bayati					

Course Description Form

Course Name: Applied climate	
Geographical Methodology/Geography of petroleum and power	
Course Code:4 •	
Semester /Year: •	
2024-2025	
Description Preparation Date: •	
28/2/2025	
Available Attendance Forms: •	
face to face education	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours/2hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: Kadhim abd alwhab hosen Email: Kadhim.hosen@uobasrah.edu.iq	
Course Objectives •	
1-TzProviding the student in the geographical specialization with knowledge that will	Study of geography of energy and renewable types and its distribution.

benefit him in the field of teaching in the education sector 2 –Realizing the economic and social consequences of adapting to climate change 3Clarifying the most important modern ideas in Study of applied climatology					
Teaching and learning strategies •					
1. Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2hours	<ul style="list-style-type: none">identification requester with the climate Applied .dUse Methods Statistics in Studies .climatic - 3knowledge Relati onship betwe en the climat e And rest Huma n And	The concept of applied climatology Its definition - its origin and development-trends His study Devices used in Studies climatic Applied study moving informants Directing Measurement Tomeans Statistics Sports measurement and collect data and analyze it and convert it to maps climatic and shapes Graphic – measurement Evaporation Latent -measurement	1. When writing scientific study, elucidating the scientific material using contemporary techniques and tools. 2. Each student will write a research paper on a scientific topic and will acquire writing. 3.Obtaining	Weekly, monthly, daily, written tests, and the final yearly test.

		his activiti es to - 4 set relatio nship the climat e With source s energy Altern ative - 5 knowl edge Metho ds Predic tion With the weath er And the climat e	Transpiration Latent measurement Radiation Solar – Budget Watercolor application Categories climatic Categories Fundamentalism Categories Experimental Categories Humanity Application practical Relationship between the climate and all from: - Agriculture And pastures -Water And energy Watercolor- TransportAerialAn d the wild and watery – Industry – tourism And entertainment – Processes Military. the climate And society – Comforts physiological, the health the public,Urbanism And design Building, the job And time Void the climate And consumption energy Consumption Daily – Consumptionannua l ,And exploitationthe weather And the	relevant sources for the research topic and learning how to make the most of fieldwor k and libraries .	
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			climate for maintenance sourcesenergy,Applicationspractical ForecastingWith the weatherAnd controlon him – developmentForeca stingWith the weather – ImportanceForecas tingWith the weather		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
el Al-Rawi and Qusay Al-Samarrai, Applied Climate, Baghdad University Press, 1990					
i Hassan Musa, Applied Climate, Damascus University, 2006.					

Course Description Form

Course Name: •
Hydrology
Course Code: 5 •
Semester / Year: •
2024-2025
Description Preparation Date: •
28/2/2025
Available Attendance Forms: •
face to face education
Number of Credit Hours (Total) / Number of Units (Total) •
60 hours / 3 hours weekly
Course administrator's name (mention all, if more than one name) •
Name: Prof. Dr. Safaa Abdel Amir Rashm Email: safaa.al.asadi@uobasrah.edu.iq
Course Objectives •

<p>g a clear picture of the available water sources on Earth, the importance of the hydrological cycle in creating a water balance between the Earth's parts, and the role of Earth's surface features in defining the components of the hydrological cycle such as precipitation, evaporation, seepage, and surface runoff.</p>					
Teaching and Learning Strategies •					
<p>1- Identifying the foundations of water science (hydrology).</p> <p>2- Identify the formation, distribution and transport of water in all environments within the hydrological cycle.</p> <p>Identify the theoretical and practical foundations of hydrological measurements for each element of the hydrological cycle.</p> <p>4- Knowledge of the environmental conditions affecting the elements of the hydrological cycle.</p> <p>Identify the water budget for surface and groundwater.</p>					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	Student understanding of the lesson	<p>1. Water, Geography, and Hydrology</p> <p>2. Importance of Water</p> <p>Origin of Water on Earth</p> <p>4. Internal or Geological Hypothesis</p> <p>5. External or Astronomical Hypothesis</p> <p>6. General characteristics of Water</p> <p>Relationship of Geography with Water</p> <p>Relationship of Geography with Hydrology</p>	<p>Explaining the scientific material through Lecture method with discussion and thus assessing student's to determine their cognitive levels</p>	<p>Weekly, monthly, daily, written tests, and final early test.</p>

			<p>9. Definition of Hydrology</p> <p>10. Difference Between Hydrology and Water Resources</p> <p>11. Fields of Hydrology</p> <p>12. Sources of Chapter One</p> <p>13. Water on the Earth's Surface</p> <p>14. General characteristics of the Earth's Surface</p> <p>15. Structure of the Earth</p> <p>16. Earth's Surface Topography</p> <p>17. Characteristics of Water on the Earth's Surface</p> <p>18. Quantity of Water</p> <p>19. Water Area</p> <p>20. Salinity of Water</p> <p>21. Distribution of Water on the Earth's Surface</p> <p>22. Sources of Chapter Two</p> <p>23. Water in the Atmosphere</p> <p>24. Concept of the Atmosphere</p> <p>25. Energy Sources in the Atmosphere</p> <p>26. Effects of the Atmosphere on Solar Radiation</p>		
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			27. Methods of Energy Transfer in the Atmosphere 28. Boundaries of Atmospheric Layers 29. Conditions of the Lower Layer the Atmosphere 30. Water Vapor in the Atmosphere 31. Sources of Water Vapor in the Atmosphere 32. General characteristics of Water Vapor 33. Water Vapor and Atmospheric Stability 34. Sources of Chapter Three 35. Hydrological Cycle and Water Balance 36. Hydrological Cycle 37. Concept of the Hydrological Cycle 38. Boundaries of the Hydrological Cycle 39. Mechanism of Movement in the Hydrological Cycle 40. Water Balance 41. Importance of Water Balance 42. Concept of Water Balance 43. Water Balance Equation 44. Climate Change and the Hydrological Cycle		
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			45. Climate Change and Water Balance		
			46. Sources of Chapter Four		
			47. Precipitation		
			48. Concept of Precipitation		
			49. Determinants of Precipitation Process		
			50. Forms of Precipitation		
			51. Characteristics of Rainstorms		
			52. Relationship of Precipitation with the Hydrological Cycle		
			53. Interception of Atmospheric Precipitation		
			54. Factors Affecting Precipitation		
			55. Geographic Distribution of Precipitation		
			56. Measurement of Precipitation (Rainfall)		
			57. Spatial Rainfall Rate		
			58. Sources of Chapter Five		
			59. Precipitation Losses		
			60. Concept of Evaporation		
			61. Mechanics of Evaporation		
			62. Difference Between Evaporation and Transpiration		

			63. Concept of Evapotranspiration 64. Effects of Evaporation- Transpiration on Water Resources 65. Geographic Distribution of Evaporation 66. Factors Affecting Evaporation and Transpiration Processes 67. Measurement of Evaporation- Transpiration 68. Estimation of Actual Evaporation- Transpiration 69. Seepage 70. Concept of Seepage 71. Mechanics of Seepage 72. General Features of Seepage 73. Factors Affecting Seepage 74. Measurement Seepage Rate in Soil 75. Sources of Chapter Six 76. Groundwater 77. Concept of Groundwater and its Importance 78. Vertical Distribution of Groundwater		
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			79. Origin of Groundwater		
			80. Groundwater Reservoirs		
			81. General characteristics of Groundwater Reservoirs		
			82. Estimation of Groundwater Volume		
			83. Movement of Groundwater		
			84. Measurement of Groundwater Movement		
			85. Sources of Chapter Seven		
			86. Surface Water		
			87. Mechanism of Surface Flow Formation		
			88. Components of Water Flow		
			89. Concept of Surface Flow		
			90. Hydrography		
			91. Factors Affecting Surface Flow		
			92. Duration of flow in Channels		
			93. Basis of Flow Duration Classification		
			94. Characteristics of Channels according to Flow Duration		
			95. Volume of Surface Flow		
			96. Methods of Estimating Surface Flow Volume		

			97. Logical Method . Khosla Method 99. Soil Conservation Service Curve Number Method 100. Sources of Chapter Eight 101. River Hydrology 102. Concept of Rivers and their Importance 103. River Drainage Basin 104. Water Channels 105. River Flow 106. Hydraulic Discharge 07. Hydrological Year 08. Hydrological System 109. Environmental Flow 110. Measurement of Hydraulic Discharge 111. Sources of Chapter Nine 112. Qualitative characteristics of Water 113. Composition of Water 114. Water Quality 115. Principal Parameters of Water Quality		
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			116. Accuracy of Laboratory Tests 117. Water Salinity 118. Total Dissolved Solids 119. Electrical Conductivity 120. Hydrogen Ion Concentration"		
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
Environmental hydrology, second edition, Andy D. Ward Stanley W. Trimble. Taylor & Francis Group, LLC, 2003. 2– Advanced Hydrology by V.T. Chow. Geography of Water Resources, Hassan Abu Sammour and Khaled Al–Khatib, Dar Al–Safaa for Publishing and Distribution, 1999. Hydrology, Essam Muhammad Abdel Majid Ahmed and Abbas Abdullah Ibrahim, Sudan University Publishing, Printing and Distribution House, 2002. Using the Internet55–					

Course Description Form

Course Name: Applied climate •
Geographical Methodology/Geography of petroleum and power
Course Code: 6 •
Semester /Year: •

2024-2025					
Description Preparation Date: •					
28/2/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
60 hours/2hours weekly					
Course administrator's name(mention all, if more than one • name)					
Named: Mohammed ramadhan Mohammed Email: mohammed.ramadhan@uobasrah.edu.iq					
Course Objectives •					
Preparing teachers with knowledge about the countryside and ways to • develop it. 2 - Preparing geographers capable of working on developing the rural environment by working with planning departments.					
Teaching and learning strategies •					
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	Explaining the scientific material through Discussion Display e material ectroni ly Connecting easRelating e subject to ality and	Rural geography nature and interests d the development its concepts, teria for distinguishing ral areas m urban areas,	When weekly, monthly, writing ily, written tests, scientific d the final yearly test. elucidating e scientific material using ntemporar techniques and tools. Each dent will ite a research per on a	

		<p> tending to students' opinions through their field observations </p>	<p> Rural geography relationship other fields of geography. </p> <p> Rural population growth gative and positive, Spatial variation of population density in the countryside, </p> <p> Economic installation rural residents, characteristic of the demographic structure of rural families. the extension of urbanization rural areas and its forms, transportation in rural areas, tourism and working in the countryside. planning for tourism and working in rural areas, planning to protect the environment rural and agricultural production protection </p>	<p> scientific topic and all acquire writing. Obtaining relevant sources for the research topic and learning how to make the most of fieldwork and libraries. </p>	
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			<p> planning to protect the countryside from city pressures. the origins and development of settlement rural, patterns rural settlements and their classification, factors distribution of rural settlements. The settlement problem Rural countryside and its function, the importance of a rural residence and its characteristics , Structural elements the structure and appearance of the rural dwelling changes in rural social and economic structures, changing the economic </p>		
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			<p>structure of the workforce, changing the structure of rural institutions. changing the es of agricultural and, the system of ownership and possession of agricultural and, the role agrarian form laws reforming the tenure system, the read of ions and their ministratio ns.</p>		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
dul Razzaq Muhammad Al-Bathi and Adel Abdullah Khattab, Rural Geography.					

Course Description Form

Course Name: Population geography •
Geographical Methodology/Geography of petroleum and power
Course Code:7 •
Semester /Year: •

2024-2025					
Description Preparation Date: •					
25/2/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
60hours/2hours weekly					
Course administrator's name(mention all,if more than one • name)					
Name: sadiq jafer ibraheem Email: sadiq.ibraheem@uobasrah.edu.iq					
Course Objectives •					
1-Deepening the student's knowledge of population geography 2-Be informed and empowered to use population data and provide students with the skills to understand population changes 3-Clarifying the most important modern ideas inStudy of population geography			dy of geography of energy and renewable types and its distribution.		
Teaching and learning strategies •					
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2hours	1- Providing students with skillsstudy demographics -Harnessing developmentchnology to	e concept population geography ages of development	When weekly, monthly, writing daily, written tests, scientific study, elucidating the scientific	d the final yearly test.

		<p>develop education, presenting lectures via computer, and presenting and discussing student articles</p> <p>population geography The relationship between population geography to the branches of geography</p> <p>branches of population geography (Social Health behavioral) Population geography and demography Population geography topics Population studies and their topics</p> <p>os use population geography The importance and objectives of population geography Statistical data sources</p> <p>For population geography Population growth Population fertility and births Deaths Immigration</p>	<p>material using contemporary techniques and tools. Each student will write a research paper on a scientific topic and will acquire writing. 3.Obtaining relevant resources for research topic and learning how to make the most of fieldwork and libraries.</p>	
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			Population compositions environmental composition Qualitative Economic Marital structure Educational Al-Omari Population planning and population policies		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
ha Hammadi Al-Hadithi, Population Geography, 2011.					

Course Description Form

Course Name: •
Geography of Eurasia
Course Code: 8 •
Semester / Year: •
Basic
Description Preparation Date: •
25/ 02/ 2025
Available Attendance Forms: •
My presence only
Number of Credit Hours (Total) / Number of Units (Total) •
60 hours annually. 2 hours per week

Course administrator's name (mention all, if more than one name)					
Name: Assistant Professor. Osama Hamid Majeed Email: osama.majeed@uobasrah.edu.iq					
Course Objectives					
Learning about the nature of the peoples of the world				
For the student to become familiar with the economic wealth in Europe and Asia				
Knowing the cultural development of peoples and countries				
Teaching and Learning Strategies					
Strategy		1– Educational strategy, collaborative concept planning. 2– Brainstorming education strategy. 3– Education Strategy Notes Series			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours	teacher and researcher capable of thinking, distinguishing, and identifying common goals	The concept of regional geography - the continent of Asia, location and characteristics of the geological structure and face of the Asian continent - the climate of the continent of Asia - Soil characteristics of the regions in Asia -Natural plant life -Animal life -Mineral resources of the continent of Asia -Man and the environment -Economic development	Lecture and discussion	Weekly, monthly, daily, written exams, and end-of-year exam.
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Holiday					
16					
17					
18					
19					
19					
20					
21					
22					

23			cond: The		
24			European		
25			continent, the		
26			location,		
27			geological		
28			uation, and		
29			surface in Europe		
30			-Climate		
			characteristics		
			-Soil properties		
			-Natural plant		
			-Animal life		
			-Mineral		
			resources		
			habitants of the		
			continent of		
			Europe		
			an and the		
			environment		
			-Economic		
			development		
			-Agricultural		
			activity		
			dustrial activity		
			-Industry		
			components		
			-Industry		
			problems		
			-Development		
			potential in		
			Europe and Asia		
Course Evaluation •					
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams					
Learning and Teaching Resources •					
e Geography of Eurasia: A Study in General					
Regional Geography, Hashim Khudair al-					
Janabi, University of Mosul, 1987.					

Course Description Form

Course Name: •

The geography ocean					
Course Code:9 •					
Semester / Year: •					
Basic					
Description Preparation Date: •					
28/ 02/ 2025					
Available Attendance Forms: •					
My presence only					
Number of Credit Hours (Total) / Number of Units (Total) •					
45 hours annually. 2 hours per week					
Course administrator's name (mention all, if more than one name) •					
Name: Assistant Professor. Alaa shaker omran Email: alaa.amran@uobasrah.edu.iq					
Course Objectives •					
Introducing students to the issues of seas and -1 oceans in the world		 •		
Empowering and introducing students to the first -2 theories of the formation of seas and oceans		 •		
Providing students with sciences related to seas -3 and oceans		 •		
Students' knowledge of the characteristics of -4 seas and oceans and their impact on the external ocean					
Teaching and Learning Strategies •					
Strategy		Educational strategy, collaborative concept planning. 2- Brainstorming education strategy. 3- Education Strategy Notes Series			
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

	1	2 hours	historical development of the geography of seas and oceans and their relationship to other branches of science, ocean basins and theories that explain their existence The geographical distribution of the seas and oceans in the world, the bases used in classifying the seas and their natural features, the climatic conditions in the seas and oceans Climatic variations in the oceans, characteristics of weather in seas and oceans, salinity, water temperature, sea ice, etc. .The movement of water in the seas and oceans, waves, tides, ocean currents, ocean floors and their topographical characteristicsIslands coral reefs, coastal geomorphological phenomena and coastal ocean, coastal classification, coastal geomorphology	Geography of the Ocean	Lecture and discussion	Weekly, monthly, daily, written exams, and the end-of-year exam.
Holiday practice	16					
	17					
	18					
	19					
	19					
	20					
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
30	29					
Course Evaluation •						
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams						
Learning and Teaching Resources •						

Required textbooks (curricular books, if any)	<u>Abdul-Ala Razouki</u> <u>Karbel</u>
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

Course Name: •
GTourism geography
Course Code: 10 •
Semester / Year: •
2024-2025
Description Preparation Date: •
11/6/2025
Available Attendance Forms: •
In presence
Number of Credit Hours (Total) / Number of Units (Total) •
60 hours / 2 hours weekly
Course administrator's name (mention all, if more than one name) •
Name: Mohamed Samir Mohamed ..email: : : mohammed.samer@uobasrah.edu.iq

Course Objectives					
1-Enabling students to understand the subject of tourism geography 2- Enabling students to use their geographical information and skills to enter the labor market, both governmental and private. 3- Providing students with special sciences in understanding the subject of tourism geography and the purpose of teaching this scientific subject. 4- Deepening geographical knowledge and familiarity with the geography of the place.			dy of geography of power and newable kinds and it's distribution.		
Teaching and Learning Strategies					
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. A set of notes on education strategies.					
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 2 hours	Tourism concept tourist movement, The importance of tourism, Historical development of tourism The development of tourism in the world	Tourism Geography	ecture and discussion	Weekly, monthly, daily, written tests, and the final early test.

		<p>The concept of tourism geography</p> <p>various types of tourism</p> <p>Natural elements of tourist attraction</p> <p>Tourism facilities and services,</p> <p>Regional organization of tourism planning, geographical distribution of international tourism</p> <p>tourism planning, geographical distribution of international tourism</p> <p>Tourism in Iraq</p>			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
<p>M1–Geography of tourism, Prof. Dr. Sobhi Ahmed Al–Dulaimi – Salah Adnan Majoul</p> <p>2–2–Studies in the tourist and recreational geography of Iraq, Prof. Dr. Bashir Ibrahim Latif, M.D. Ibrahim Rashid Al–Shammari</p>					

Course Description Form

Course Name: Soil geography •	
Geographical Methodology/Geography of petroleum and power	
Course Code:11 •	
Semester /Year: •	
2024-2025	
Description Preparation Date: •	
28/2/2025	
Available Attendance Forms: •	
face to face education	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours/2hours weekly	
Course administrator's name(mention all,if more than one name) •	
<div style="text-align: right;">Name:bushraa. Ramadhan yaseen</div> <div style="text-align: right;">Email: bushraa.ramadhan@uobasrah.edu.iq</div>	
Course Objectives •	
Providing the student in the geographical specialization with knowledge that will benefit him in the field of teaching in the education sector -Realizing the economic and social returns of soil conservation - Clarifying the most important modern ideas inStudy of soil geography	dy of geography of energy and renewable types and its distribution.
Teaching and learning strategies •	
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.	
Course Structure •	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	<p>1- Providing students with skills to study Chemical and physical properties of soil.</p> <p>2-Harnessing technology to develop education, presenting lectures via computer, and presenting and discussing student articles</p>	<p>Soil concepts</p> <p>Environmental systems</p> <p>Land management</p> <p>Parent material of soil</p> <p>Weathering and exchange of soil solution</p> <p>Soil building and soil horizons</p> <p>Description of longitudinal sections of soil</p> <p>Soil temperature</p> <p>Soil water movement of water and air in the soil</p> <p>Soil permeability</p> <p>Soil classification</p> <p>Types of soil</p> <p>Soil and ground surface</p> <p>Plant communities and ecosystems</p> <p>Soil and time</p> <p>Productive fertility and plant nutrition</p>	<p>When writing scientific study, elucidating the scientific material using contemporary techniques and tools. Each student will write a research paper on a scientific topic and will acquire writing. Obtaining relevant sources for the research topic and learning how to make the most of fieldwork and libraries.</p>	<p>Weekly, monthly, weekly, written tests, and the final yearly test.</p>

			Soil organisms habitats of microorganisms Organic matter in the soil Soil and earth processes Nitrogen and carbon cycle Soil management/ types of use and management various lands Deterioration of the land surface and soil		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
Soil Geography / Ali Hussein Al-Shalash					
Soil Geography, written by Kazem Shanta					

Course Description Form

Course Name: Applied climate •
Geographical Methodology/Geography of petroleum and power
Course Code:12 •
Semester /Year: •
2024-2025
Description Preparation Date: •

28/2/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
60hours/2hours weekly					
Course administrator's name(mention all,if more than one name) •					
Name Dr :Mohammed Ramadn Mohammed Email: mohammed.ramadhan@uobasrah.edu.iq					
Course Objectives •					
Preparing teachers with knowledge about the countryside and ways to develop it. •					
2 - Preparing geographers capable of working on developing the rural environment by working with planning departments.					
Teaching and learning strategies •					
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	Explaining the scientific material through Discussion 2-Display the material electronically 3-Connecting the subject to reality and strengthening to	Rural geography nature and interests and the development its concepts, criteria for distinguishing rural areas from urban areas, Rural geography relationship	When weekly, monthly, writing daily, written scientific study, lucidating the scientific material using contemporary techniques and tools. Each student will write a research paper on a scientific	Weekly, monthly, written tests, and the final yearly test.

		<p>students' opinions through their field observations</p>	<p>other fields of geography. Rural population growth negative and positive, Spatial variation of population density in the countryside, Economic development and installation of rural residents, characteristic of the demographic structure of rural families. The extension of urbanization in rural areas and its forms, transportation in rural areas, tourism and recreation in the countryside. Planning for tourism and recreation in rural areas, planning to protect the environment in rural and agricultural production protection planning to protect the</p>	<p>topic and all acquire writing. Obtaining relevant sources for research topic and learning how to make the most of fieldwork and libraries.</p>	
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			<p> countryside m city pressures. e origins and development f settlement Rural, tterns of rural settlements d their assification, factors Distribution rural ettlements. The settlement problem Rural countryside d its nction, the portance of a r a rural residence d its aracteristic s, Structural elements e structure and pearance of e rural dwelling anges in ral social d economic structures, anging the economic ucture of </p>		
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			the workforce, changing the structure of rural institutions. changing the types of agricultural land, the system of ownership and possession of agricultural land, the role of agrarian reform laws reforming the tenure system, the spread of cooperatives and their administrations.		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
dul Razzaq Muhammad Al-Bathi and Adel Abdullah Khattab, Rural Geography.					

Course Description Form

Course Name: •
Industrial geography

Course Code: 13 •					
Semester / Year: •					
Annual					
Description Preparation Date: •					
12/6/2025					
Available Attendance Forms: •					
My presence only					
Number of Credit Hours (Total) / Number of Units (Total) •					
144hour annually.4An hour a week					
Course administrator's name (mention all, if more than one name) •					
me; Kifaya Abdullah Abdul Abbas Email: kifayat.eabd_aleibaas@uobasrah.edu.iq					
Course Objectives •					
1– Encouraging students to propose solutions to real–world industrial problems 2– Introducing students to the importance of industry at the local and regional levels focusing on the educational and moral aspect of student and instilling a spirit of dedication and tolerance					
Teaching and Learning Strategies •					
Education strategy collaborative concept planning. 2-Teaching strategy brainstorming. 3-Education strategy notes series				The strategy	
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2Hour	1-Teaching	Industry	1-	or weekly,
2	2 hour	students the	geography	Explainin	onthly, daily,
3	2 hour	method of		g the	itten exams,
4	2 hour	scientific		scientific	d the end-of-
5	2 hour	discussion of		material	year exam.
6	2 hour	e subject of		and	
7	2 hour			involving	

vacation	8	2 hour	industrial		students	
	9	2 hour	geography		in	
	10	2 hour			discussin	
	11	2 hour	Educating		g it.	
	12	2 hour	idents about		2-	
	13	2 hour	industrial		Preparin	
	14	2 hour	blems on		g reports	
	15	2hour	the real level.		related to	
					the	
	16	2hour	Encouraging		material	
	17	2 hour	idents to		that was	
	18	2 hour	express		previousl	
	19	2 hour	scientific		y	
	19	2 hour	inions to		discusse	
	20	2 hour	ve these		d.	
	21	2 hour	problems.		Conduct field	
	22	2 hour			its to factories.	
	23	2 hour	Students'			
	24	2 hour	nowledge of			
	25	2 hour	the			
	26	2 hour	geographical			
	27	2 hour	components			
	28	2 hour	at helped			
	29	2 hour	tle the			
	30	2 hour	lustry in			
			their			
			governorates.			
Course Evaluation •						
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.						

Learning and Teaching Resources •	
Required textbooks (methodology, if any)	Nothing
Main references (sources)	Industry geography' Abdul Zahra Ali Al-Janabi Foundations of industry geography and its applications' Mohamed Azhar Saeed Al-Sammak

Course Description Form

Course Name: Population geography •	
Geographical Methodology/Geography of petroleum and power	
Course Code: 14 •	
Semester /Year: •	
2024-2025	
Description Preparation Date: •	
25/2/2025	
Available Attendance Forms: •	
face to face education	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours/2hours weekly	
Course administrator's name(mention all,if more than one name) •	
Name:sadiq jafer ibraheem	
Email: sadiq.ibraheem@uobasrah.edu.iq	
Course Objectives •	
1-Deepening the student's knowledge of population geography	dy of geography of energy and renewable types and its distribution.

<p>2-Be informed and empowered to use population data and provide students with the skills to understand population changes</p> <p>3-Clarifying the most important modern ideas inStudy of population geography</p>					
Teaching and learning strategies •					
<p>Collaborative idea planning and education strategy.</p> <p>Educating strategy through brainstorming.</p> <p>3. A set of notes on education strategies.</p>					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	<p>1- Providing students with skills to study demographics</p> <p>2- Harnessing technology to develop education, presenting lectures via computer, and presenting and discussing student articles</p>	<p>1- The concept of population geography</p> <p>2- The development of population geography</p> <p>3- The relationship between population geography and other branches of geography</p> <p>4- The importance of population geography (Social Health behavioral) Population geography</p>	<p>When weekly, monthly, writing tests, scientific study, elucidating the scientific material using contemporary techniques and tools. Each student will write a research paper on a scientific topic and will acquire writing.</p> <p>3. Obtaining relevant</p>	<p>When weekly, monthly, written tests, and the final yearly test.</p>

			<p>and sources for demography research</p> <p>Population topic and geography learning how topics make the Population part of studies and fieldwork their topics and libraries.</p> <p>os use population geography</p> <p>The importance of objectives population geography</p> <p>Statistical data sources</p> <p>For population geography</p> <p>Population growth</p> <p>Population fertility and births</p> <p>Deaths</p> <p>Immigration</p> <p>Population compositions</p> <p>environmental composition</p> <p>Qualitative</p> <p>Economic</p> <p>Marital structure</p> <p>Educational</p> <p>Al-Omari</p> <p>Population planning and population policies</p>	
Course Evaluation •				

Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.	
Learning and Teaching Resources •	
ha Hammadi Al-Hadithi, Population Geography, 2011.	

Course Description Form

Course Name: •	
Geography of transport and international trade	
Course Code: 15 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
90 hours / 3 hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: Asaad Abbas Hindi email: Asaad.hindy@uobasrah.edu.iq	
Course Objectives •	
<p>- 1- Giving students the skill of knowing the most important means of transportation in the world and to what extent and level these means have reached.</p> <p>2- Knowing that the student will gain experience about global commercial markets, such as the unified Arab market, the free market for the Arab countries, the Council of the European Union, or the European market, and the most important global commercial markets in the world.</p>	<p>dy of geography of power and ewable kinds and it's distribution.</p>

Equipping students with how to deliver information to the recipient, as they are important to current students and future teachers and professors.					
Teaching and Learning Strategies					
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. A set of notes on education strategies.					
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 3 hours	Explaining the scientific material in detail and giving clear picture of the most important media transport in the world. 2- Giving a realistic picture of the country's reality (Linking the theoretical topic to the practical topic) and developing students' skills through realistic thinking about international transportation and trade.		ecture and discussion	Weekly, monthly, daily, written tests, and the final yearly test.

		<p>3- Make students understand that there is reality theoretical and practical reality connects the two subjects and this reality are for a purpose giving a picture of the theoretical aspects</p> <p>The practical aspects even have a picture more elaborate and more accurate for the student</p>			
Course Evaluation •					
Distribution the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
<p>MGeography of transport and international trade.</p> <p>Transport Geography by Professor Dr. Muhammad Azhar Al-Sammak And others.</p> <p>Transport geography, its meaning and concept, by Professor Dr Muhammad Saeed Abdo.</p> <p>1– Geography of transport and international trade.</p> <p>2– Transportation Geography by Professor Dr. Muhammad Azhar Al-Sammak et al.</p> <p>3– Transport geography, its meaning and concept, by Professor Dr Muhammad Saeed Abdo.</p>					

Course Description Form

Course Name: •

Planning and development					
Course Code:16 •					
Semester / Year: •					
2024-2025					
Description Preparation Date: •					
11/6/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
2 hours weekly					
Course administrator's name (mention all, if more than one name) •					
Name: Dr. Abbas Abdulhasan Kadhim Email: abbas.Kadhim@uobasrah.edu.iq					
Course Objectives •					
enabling students to understand the subject of -1 .development and planning enabling students to employ their geographical -2 rmation and skills in their profession as a teacher in second schools					
Teaching and Learning Strategies •					
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-3	2 hours	students should know the importance of development and planning	The concept of economic backwardness / manifestations of economic backwardness / interpretation of economic backwardness development concept Definition / Evolution of development theories /	theoretical lecture	Weekly, monthly, daily, written tests, and final yearly test.

4-7	2 hours	indicators for measuring development Economic indicators, social indicators, indicators of basic need / indicators of companionship and quality of life Some indicators of development in the Arab countries		
8-11	2 hours	The second chapter is development theories and new development policies Classification of economic development theories economic development policies		
12-14	2 hours	Chapter III The role of economic sectors in development The importance of industry and manufacturing to development The role of agriculture in development Foreign trade and its role in development technology and economic development		
15-18		The government's role in supporting building technological capabilities		
19-22	2 hours	Remittances of workers abroad		

23-26	2 hours		Chapter Four Development Finance The sector's relationship to finance and development local funding sources		
	2 hours		External financial flows Known Financing Policies		
27-30			Chapter Five: Obstacles to Economic Development		
	2 hours		Chapter Six Basic Concepts of Economic Planning		
			The concept of planning and its justifications Basic physical planning, planning in different systems Planning methods and techniques		
			Planning stages Tools used in preparing plans Comprehensive planning problems and the need to pay attention to the private sector		
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
The author: Ahmed Aref Al-Assaf and Mahmoud Hussein Al-Wadi					

Course Description Form

Course Name: Social geography •					
Course Code: 17 •					
Semester /Year: •					
2024-2025					
Description Preparation Date: •					
28/2/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
60hours /2hours weekly					
Course administrator's name(mention all,if more than one name) •					
Name:shukriya kareem abass					
Email: shukriya.kareem@uobasrah.edu.iq					
Course Objectives •					
Producing the content and philosophy of social geography 2 - Deepening the student's knowledge of the concepts of social geography topics. Be informed and empowered to use data and provide students with the skills and abilities to understand social demographic changes			1- Study of geography of energy and renewable types and its distribution.		
Teaching and learning strategies •					
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2hours	1- Giving students the skill of studying	The emergence social geography	When weekly, monthly, writing daily, scientific study, elucidating	Written tests, and the final yearly test.

		social and its scientific geography relationship material Harnessing the using technology to branches of contemporar develop geography techniques education, The and tools. presenting relationship Each lectures via social student will mputer, and ography to ite a presenting population research d discussing geography per on a student Social scientific articles geography oic and will topics acquire The writing. importance 3. Obtaining social relevant geography urces for ta and e research urces of oic and social rning how ographical make the studies ost of asures in ldwork and social libraries. geography Research ethods in social geography cal, Arab and ernational mmunities pplications social geography	
Course Evaluation •			
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.			
Learning and Teaching Resources •			
Assesment Abdul Aziz Al-Othman, Hussein Aliwi Nasser Al-Zayadi, social geography			

Course Description Form

1.CourseName:	
Urbanofgeography	
2.CourseCode:18	
3.Semester/Year:	
2023-2024	
4.DescriptionPreparationDate:	
18-6-2025	
5.AvailableAttendanceForms:	
face to face education	
6.NumberofCreditHours(Total)/NumberofUnits(Total)	
2hoursweekly	
7.Courseadministrator'sname(mentionall,ifmorethanone name)	
Name: Dr.salahhashimalasady	
Email: iq.edu.uobasrah@zegair.s	
8.CourseObjectives	
<ul style="list-style-type: none"> • Enabling students to understand and perceive geography of cities • Putting the message into action • Communicating related information to the environment • Deepening students' geographical knowledge 	
9.TeachingandLearningStrategies	
<ul style="list-style-type: none"> • Collaborative idea planning and education strategy. • Educating strategy through brainstorming. • A set of notes on education strategies. 	

10.CourseStructure					
Week	Hours	Required Learning Outcomes	Unit/subject name	Learning method	Evaluation method
1-30	2hours	Students should know the importance of urban of geography	<p>The nature of the geography of cities Urbanization and general concepts</p> <p>Cities classification city jobs Theories of internal structure of cities</p> <p>urban land use Housing-commerce-industry- services</p>		Weekly, monthly, daily, written tests,

			<p>the citizens Growth-Distribution-Structure</p> <p>the citizens Growth-Distribution-Structure</p> <p>Characteristics of the size of cities and the factors affecting them Spatial interaction and problems Principles of the occurrence of the interaction</p> <p>The importance of interaction and the factors affecting it.</p> <p>City morphology city plan Architectural structure City land uses morphological stages</p> <p>Central Place The economic basis of cities Land values in cities Regional Relations of Cities.</p> <p>central place theory the economic basis of cities</p> <p>Land values in cities Regional Relations of Cities</p>		and the final yearly test.
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11.CourseEvaluation	
Distribution the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.	
12.Learning and Teaching Resources	
Dr.Salah Hashem Al-Asadi-Geography of cities	

Course Description Form

Course Name: •
Geographic techniques
Course Code: 19 •

Semester / Year: •					
2024-2025					
Description Preparation Date: •					
22/3/2025					
Available Attendance Forms: •					
face to face education					
Number of Credit Hours (Total) / Number of Units (Total) •					
60hours / 2 hours weekly					
Course administrator's name (mention all, if more than one name) •					
Name D. prof. Tareq J. Ali Email: taraq.ali@uobasrah.edu.iq					
Course Objectives •					
Teaching pupils how to write geographical research papers. 2. Developing pupils' writing and analytical abilities. 3. Explaining the key approaches and strategies for writing geographical research.			dy of geography of power and renewable kinds and it's distribution.		
Teaching and Learning Strategies •					
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	Informing students about the most important methods of interpreting processing, drawing maps and monitoring sites	st: the concept geographical technologies The importance and of geographical technologies theoretical lecture questions integrative relationship between geographical technologies and note sensing theoretical	Explaining scientific material theoretically with examples and practical application for processing and analyzing space visuals	Weekly, monthly, daily, written tests, and final yearly test.

			<p>al lecture questions</p> <p>What is remote sensing?</p> <p>2- Its definition</p> <p>Its importance</p> <p>d scope of application</p> <p>eoretical</p> <p>al lecture questions</p> <p>types of remote sensing</p> <p>Remote sensing techniques</p> <p>Radar and its importance</p> <p>General</p> <p>atures of satellite data</p> <p>eoretical</p> <p>al lecture questions</p> <p>ird: General characteristics of space data</p> <p>Set directions.</p> <p>t monitoring sites</p> <p>urth: erdas program applications</p> <p>eoretical</p> <p>al lecture questions</p> <p>e contents of the program</p> <p>w to improve visual banding</p> <p>Various</p> <p>erations on the</p> <p>eoretical visual</p>		
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			<p> al lecture questions th - The dditional visual erpretation of ace visuals and e adoption of explanatory characteristics automatic classification wave classification undirected classification eoretical al lecture questions aracteristics of ectral bands d how to oose the best one S and its applications Eleventh: Geographical Information Systems roduction to e program and e most important plications for geographers plications on ARCGIS 10.2 nefits of GIS d its applications Thirteenth: aling with the ene window, ening the </p>		
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			object, and working on the different icons. theoretical practical lecture questions		
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
Required test books scientific curriculum research Mohammed Azhir Al smak Alkhadim Abd alwhabAlasdi petroleum and energy.					

Course Description Form

Course Name: •	
GThematic maps	
Course Code: 20 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
60 hours / 2 hours weekly	
Course administrator's name (mention all, if more than • one name)	
Name: Wazzan amid Al Prof. Dr. Maitham A - Email:	
Course Objectives •	
Objectives Cognitive -1- 1- The student should know what maps are and their types	Study of geography of power and vulnerable kinds and its distribution.

<p>- That the student acquires information about the skills and reading of the thematic map.</p> <p>3- That the student understands how to make international maps individually</p> <p>A4- That the student understands the areas of regional and international geography</p> <p>Objectives Marathi Private By the -ب- decision .</p> <p>B1- That the student learns how to interpret the thematic map.</p> <p>B2- The student should apply the applications of distribution maps and the skills of reading them .</p> <p>B3- The student should analyze and interpret a satellite visual or aerial photograph and write the results or draw a map from them</p> <p>B4- The student draws a digital map</p> <p>B5- The student monitors his location using GPS</p>					
Teaching and Learning Strategies •					
<p>Collaborative idea planning and education strategy.</p> <p>2. Educating strategy through brainstorming.</p> <p>A set of notes on education strategies.</p>					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 2 hours	<p>Classification of maps and their types</p> <p>The concept of thematic maps and their content</p>		Lecture and discussion	Weekly, monthly, daily, written tests, and the final yearly test.

		<p>Definition of thematic map, classification of thematic map</p> <p>Steps for displaying public content and methods for displaying private content</p> <p>Methods of displaying phenomena on thematic</p> <p>Maps</p> <p>Qualitative methods (non-quantitative (qualitative)</p> <p>adastral maps</p> <p>Types of non-quantitative adastral maps</p> <p>How to create non-quantitative adastral maps</p> <p>Quantitative methods</p> <p>Types of quantitative thematic maps (dot maps, steps for preparing dot maps)</p> <p>Coprolith adastral maps</p> <p>aps of isolines</p>			
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		Methods for drawing isoline maps			
		Charts (definition of proportional symbols, line symbols, bar symbols, or columns)			
		Conditions for drawing bars or columns on charts			
		Cadastral symbols, types of cadastral symbols			
		Methods for calculating the dimensions of cadastral symbols			
		Conditions for drawing cadastral symbols on maps			
		Volumetric symbols			
		Evaluation of the proportional banana method			
		Areas of application of relative symbols			

		<p>Chart maps</p> <p>Flowcharts</p> <p>Motion maps</p> <p>Evaluation of motion maps</p> <p>Labels of thematic maps based on the symbols used to represent geographical phenomena</p> <p>Thematic maps in geographic information systems programs</p> <p>Elements of thematic map content in a geographic information systems environment</p> <p>Methods of representing geographical phenomena on thematic maps</p>			
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Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
<p>Thematic maps/Dr. Falah Shaker Aswad</p> <p>Human distribution maps: their concept and methods for creating them/Dr. Nasser bin Mohammed bin Salma</p> <p>Human distribution maps, foundations and applications/ Dr. Fayez Al-Issawi</p> <p>Introduction to digital maps / Dr. Juma Muhammad Daoud</p> <p>Introduction to the Global Positioning System GPS/Dr. Juma Muhammad Daoud</p> <p>Remote sensing basics and applications / Nabil Subhi Al-Daghistani</p> <p>Visible remote sensing data collection and analysis/Mohamed Abdullah Al-Saleh</p> <p>Remote sensing and its applications in spatial studies / Khaled Muhammad Al-Anqari</p>					

Ministry of Higher Education and Scientific Research	Other				
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Course Description Form

Course Name: •	
Geography of natural resources	
Course Code: 21 •	
Semester / Year: •	
Basic	
Description Preparation Date: •	
25/ 02/2025	
Available Attendance Forms: •	
My presence only	
Number of Credit Hours (Total) / Number of Units (Total) •	
60 hours annually. 2 hours per week	
Course administrator's name (mention all, if more than one name) •	
Name: Assistant. Lecturer Mohammed Kahtan Nima Al-Galibi	
Email: mohammed.nima@uobasrah.edu.iq	
Course Objectives •	
–Learn about the world's natural resources •
That the student recognizes the natural resource •
as wealth and economic power •

Knowledge of the geographical distribution of natural resources in the world					
Teaching and Learning Strategies					
Strategy		1– Educational strategy, collaborative concept planning. 2– Brainstorming education strategy. 3– Education Strategy Notes Series			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours	teacher and researcher able of thinking, distinguishing, identifying common goals	-General characteristics of natural resources	Lecture and discussion	Weekly, monthly, daily, written tests, and end-of-year exam.
2			First		
3			the concept of		
4			natural resources		
5			classification of		
6			natural resources		
7			the importance		
8			natural resources		
9			conservation of		
10			natural resources		
11			Secondly - the soil		
12			the importance		
13			of soil		
14			-Soil concept		
15			soil components		
Holiday16			formation		
17			factors		
18			-Soil properties		
19			-Physical properties		
19			-Soil fertility		
20			soil classification		
21			-Soil problems		
22			-Maintenance		
23			rd: Water		
24			resources		
25			types of water		
26			resources		
27			-Hydrological cycle		
28			-Surface water		
29			-The lakes		
30	-Rivers				
	-underground water				

			seas and oceans Fourth: Natural plants natural plant varieties Fifth: Livestock factors affecting animals Sixth: Mineral resources and energy sources		
Course Evaluation •					
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams					
Learning and Teaching Resources •					
Geography of Natural Resources, Safaa A.R. Al-Asadi, University of Basra, 2017.					

Course Description Form

Course Name: Geography of Iraq •
Geographical Methodology/Geography of petroleum and power
Course Code: 22 •

Course Name: Geography of Iraq •
Geographical Methodology/Geography of petroleum and power
Course Code: •
Semester /Year: •
2024-2025
Description Preparation Date: •
25/2/2025
Available Attendance Forms: •
face to face education
Number of Credit Hours (Total) / Number of Units (Total) •
60hours /2hours weekly

Course administrator's name(mention all,if more than one name)					
Name:bushraa. Ramadhan yaseen Email: bushraa.ramadhan@uobasrah.edu.iq					
Course Objectives					
Providing the student in the geographical specialization with knowledge that will benefit him in the field of teaching in the education sector -Defining regional geography, studying it, and linking its geographical phenomena and their mutual relations with the population Clarifying the most important modern ideas in Studying the character of the region and highlighting the regional variation in spatial unity			dy of geography of energy and renewable types and its distribution.		
Teaching and learning strategies					
Collaborative idea planning and education strategy. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2hours	- Providing students with skills to study geographical characteristics of Iraq. Harnessing technology to develop education.	The importance of the quality of the site Geological structure and surface of Iraq	When writing scientific study, elucidating scientific material using contemporary techniques and tools.	Weekly, monthly, written tests, and the final yearly test.

		presenting lectures via computer, and presenting and discussing student articles	il problems in Iraq natural plant origin of population geographical distribution of population and factors affecting it Population growth Natural increase urbanization indicators of economic development quality in Iraq development programs Agricultural development industrial development Life factors transport and trade environmental problems in Iraq desertification pollution of all kinds in Iraq Dust phenomena Soil salinity	Each student will write a research paper on a scientific topic and will acquire writing. 3. Obtaining relevant resources for research topic and learning how to make the most of oldwork and libraries.	
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
Geography of Iraq / Abdullah Salem Al-Maliki					
geography of Iraq, its natural and human economic framework / Abbas Fadel Al-Saadi / 2009					

Course Name: Applied climate •						
Geographical Methodology/Geography of petroleum and power						
Course Code: 23 •						
Semester /Year: •						
2024-2025						
Description Preparation Date: •						
25/2/2025						
Available Attendance Forms: •						
face to face education						
Number of Credit Hours (Total) / Number of Units (Total) •						
60hours/2hours weekly						
Course administrator's name(mention all,if more than one • name)						
Name:kadhim.abd.alwhab hosen Email: Kadhim.hosen@uobasrah.edu.iq						
Course Objectives •						
<div> <div> <p>Providing the student in the geographical specialization with knowledge that will benefit him in the field of teaching in the education sector</p> <p>–Realizing the economic and social consequences of adapting to climate change</p> <p>clarifying the most important modern ideas inStudy of applied climatology</p> </div> <div> <p>Study of geography of energy and renewable types and its distribution.</p> </div> </div>						
Teaching and learning strategies •						
<div> <div> <p>Collaborative idea planning and education strategy.</p> <p>2. Educating strategy through brainstorming.</p> <p>3. A set of notes on education strategies.</p> </div> <div></div> </div>						
Course Structure •						
We ek	Ho urs	Required Learning Outcome s	Unit or subject name	Learnin g method	Evaluation method	

1-30	2 hours	<p>entification requester With the climate Applied.</p> <p>use •</p> <p>eth</p> <p>ods</p> <p>cati</p> <p>ics</p> <p>in</p> <p>udi</p> <p>es</p> <p>lim</p> <p>tic.</p> <p>3 -</p> <p>no</p> <p>led</p> <p>ge</p> <p>elat</p> <p>ons</p> <p>hip</p> <p>etw</p> <p>een</p> <p>the</p> <p>lim</p> <p>ate</p> <p>nd</p> <p>est</p> <p>um</p> <p>an</p> <p>nd</p> <p>his</p> <p>ctiv</p> <p>ies</p> <p>4 -to set</p> <p>elationshi</p> <p>p the</p> <p>climate</p>	<p>e concept of applied climatology definition - its origin and development-trendsHis study</p> <p>evicesusedinStudiesclimatic</p> <p>Applied</p> <p>studymoving</p> <p>frommeansDirectinMeasure</p> <p>nenttomeansStatisticsSports</p> <p>measurementAnd</p> <p>lectdataAnd analyze itAnd</p> <p>invert ittomapsclimaticAnd</p> <p>apesGraphic -</p> <p>measurementEvaporationLate</p> <p>measurementTranspirationLat</p> <p>measurementRadiationSola</p> <p>r - BudgetWatercolor</p> <p>pplicationCategoriesclimatic</p> <p>CategoriesFundamentalism</p> <p>CategoriesExperimental</p> <p>CategoriesHumanity</p> <p>Applicationspractical</p> <p>Relationshipbetweenthe</p> <p>climateAnd allfrom:-</p> <p>gricultureAnd pastures -</p> <p>terAnd energyWatercolor-</p> <p>ansportAerialAnd the</p> <p>ldAnd watery - Industry -</p> <p>rismand entertainment -</p> <p>ProcessesMilitary.</p> <p>climateAnd society -</p> <p>Comfortsphysiological,the</p> <p>alththe public,UrbanismAnd</p> <p>signBuilding,the jobAnd</p> <p>timeVoid</p> <p>climateAnd</p> <p>consumptionenergy</p> <p>nsumptionDaily -</p> <p>Consumptionannual,And</p> <p>ploitationthe weatherAnd</p> <p>climatefor</p> <p>aintenancesourcesenergy,Ap</p> <p>plicationspractical</p>	<p>When writing scientific study, elucidating the scientific material using temporary technique and tools. Each student will write research paper on a scientific topic and will acquire writing. Obtaini ng relevant sources the research topic and learning how to take the best of fieldwork and libraries.</p>	<p>Weekly, monthly, daily, written tests, and the final yearly test.</p>
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		With sources energy alternative : 5 - knowledge Methods prediction With the weather And the climate	recasting weather development weather With control on him – Forecasting weather – Forecasting the weather		
Course Evaluation •					
Distribution of the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
el Al-Rawi and Qusay Al-Samarrai, Applied Climate, Baghdad University Press, 1990					
li Hassan Musa, Applied Climate, Damascus University, 2006.					

Course Description Form

solution name :Czech flag	•
solution symbol: 24	•
ason/the year :out	•
	Out
te this description was prepared28/2/2025	•
OPP attendance available:	•
	My presence only

Number of study units (total)/number of units (total):						•
60						Watch, 2 per week
Name of the appointed judiciary (if more than one name is prohibited)						•
the name:M. Zahraa Karim Jassim						
E-mail: zahraa.jasim@uobasrah.edu.iq						
Objectives of the judiciary						•
• • •		1. Learn about the concept of comprehensive science and its importance only. 2. Identify the factors that are controlled by definition. 3. Identify the geographical environments available to them in sectoral climates.				
Reasons for teaching and learning						•
1-Cooperative education planning strategy. 2-Teaching strategy brainstorming. 3-Educational notebook series strategy					The strategy	
Regime						•
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Hours	the week	
aFor weekl y, mont hly, daily, writte n exam s, and the end- of-	Explain ing the scientif ic materia l throug h lecture and discuss ion	The concept of eterministic ience and its minor importance. - Research furnace and the changing actors in the matic trend. -Earth's climate	Distinguis hing common	2 hour	1	
				2 hour	2	
				2 hour	3	
				2 hour	4	
				2 hour	5	
				2hour	6	
				2 hour	7	
				2 hour	8	
				2 hour	9	
				2 hour	10	
				2 hour	11	
				2 hour	12	
				2 hour	13	
				2 hour	14	
				2 hour	15	
				2 hour	vacation	
				2 hour	vacation	
2 hour	16					
2 hour	17					

year exam.	e •	2 hour	18
	mate of flat,	2 hour	19
	rren	2 hour	19
	rfaces	2 hour	20
		2 hour	21
		2hour	22
	e •	2hour	23
	mate of the	2hour	24
	rfaces is	2 hour	25
	getative	2hour	26
	e •	2 hour	27
	mate is	2 hour	28
	ntrary to the	2hour	29
	rsh nditions		30
Decision evaluation •			
distributionas: 25Menstrual and daily cycle for the first trimester. 25Monthly and daily exam for the second semester. 50Final exam score			
Learning and teaching resources •			
i Hassan Musa, Al-Manakh Al- Asghar		Basic textbooks (found lessons)	
Salam Hat Al-Jubouri, Climatology		Main references (sources)	
		Supporting books and references that cuts (scientific journals, reports....)	
		Electronic references, Internet sites	

Course Description Form

Course Name: •
The geography of the United States
Course Code: 25 •

Semester / Year: •					
Basic					
Description Preparation Date: •					
25/ 02/ 2025					
Available Attendance Forms: •					
My presence only					
Number of Credit Hours (Total) / Number of Units (Total) •					
45 hours annually. 2 hours per week					
Course administrator's name (mention all, if more than one name) •					
Name: Assistant Professor. Alaa shaker omran					
Email: alaa.amran@uobasrah.edu.iq					
Course Objectives •					
Producing students to the regional study and -1 enabling them to know the boundaries of the region empowering and familiarizing students with the -2 borders of the North American continent and its sources of strength Providing students with sciences related to the -3 cultures of the two continents Students' knowledge of the borders of South -4 America and their natural and human characteristic		 • • •		
Teaching and Learning Strategies •					
Strategy		Educational strategy, collaborative concept planning. 2- Brainstorming education strategy. 3- Education Strategy Notes Series			
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours	teacher and researcher capable thinking, distinguishing, identifying common goals	The result of	Lecture and discussion	Weekly, monthly, daily, written exams, and the end-of-year exam.
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

12			geography of		
13					
14			the Americas,		
15					
Holiday					
practicle			the		
16					
17			similarities		
18					
19			and		
19					
20			differences		
21					
22			between the		
23					
24			two Americas,		
25					
26					
27			the		
28					
29			characteristic		
30			s of geology		
			and		
			topography in		
			North		
			America		
			Characteristics		
			of the		
			topographical		
			situation and		
			geographical		

			<p>distribution of</p> <p>surface features</p> <p>on the continent</p> <p>(eastern coastal</p> <p>plains, the</p> <p>Piedmont</p> <p>plateau, the</p> <p>Appalachian</p> <p>highlands, the</p> <p>Lawrence bloc,</p> <p>the central</p> <p>plains, the</p> <p>Cordalera</p> <p>system, the</p> <p>climatic</p> <p>characteristics of</p> <p>the North</p> <p>American</p> <p>continent, the</p> <p>factors affecting</p> <p>climatic</p> <p>characteristics,</p> <p>the</p>		
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			characteristics of the climate elements on the continent, the characteristics of atmospheric pressure Winds, precipitation characteristics on the continent, climatic regions of the continent and their geographical distribution		
Course Evaluation •					
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams					
Learning and Teaching Resources •					
Required textbooks (curricular books, if any)			Ali Sahib Talib Al-Moussawi 2007		
Main references (sources)					
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Form

Course Name: •	
Geography of the Arab world	
Course Code: 26 •	
Semester / Year: •	
Basic	
Description Preparation Date: •	
25/ 02/ 2025	
Available Attendance Forms: •	
My presence only	
Number of Credit Hours (Total) / Number of Units (Total) •	
48 hours annually. 2 hours per week	
Course administrator's name (mention all, if more than one name) •	
Name: Prof. Dr. Abdul Rahman Jari Mardan Email:	
abdurahman.mardan@uobasrah.edu.iq	
Course Objectives •	
1. Identify the natural characteristics of the Arab world.	<div style="display: flex; justify-content: space-between;"> <div>.....</div> <div>•</div> </div> <div style="display: flex; justify-content: space-between;"> <div>.....</div> <div>•</div> </div> <div style="display: flex; justify-content: space-between;"> <div>.....</div> <div>•</div> </div>
2. Identifying human potential in the Arab world.	
Teaching and Learning Strategies •	
Strategy	1. Giving a clear picture of the geography of the Arab world.

		2. Forming a general perception of how geographical phenomena are represented on the map of the Arab world.			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	hours	Preparing well-	he Arab World website	Lecture and discussion	Weekly, monthly, daily, written exams, and the end-of-year exam.
2		qualified	The importance of the geographical		
3		teachers capable	location of the Arab world		
4		of performing	The geological structure and		
5		the teaching	composition of the Arab world		
6		task and	Topography of the Arab world		
7		graduating	Terrain units in the Arab world		
8		capable staff	(plateaus)		
9		To understand	Mountains (torsional and refractive)		
10		the science of	Arabian plains (types and geographical		
11		geography	distribution)		
12			Climate of the Arab world, climatic		
13			regions in the Arab world		
14			Water resources in the Arab world		
15			The soil of the Arab world (types of soils		
Holiday			and their geographical distribution)		
practicle			Natural plants in the Arab world (plant		
16			regions)		
17			Population of the Arab world (spatial		
18			distribution of population)		
19			Population movement in the Arab world		
19			(internal and external migration)		
20		Population integration in the Arab world			
21		Geographical factors affecting			
22		agricultural production			

23			<p>-----</p> <p>-----</p> <p>Agricultural crops (grain crops)</p> <p>Agricultural crops (legume crops)</p> <p>Agricultural crops (fiber crops)</p> <p>Agricultural crops (oil crops)</p> <p>Agricultural crops (sugar crops)</p> <p>Livestock in the Arab world</p> <p>Mineral wealth in the Arab world</p> <p>Transport and international trade</p> <p>Arab economic integration</p>		
Course Evaluation •					
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams					
Learning and Teaching Resources •					
Required textbooks (curricular books, if any)					
Main references (sources)			<p>1. Muhammad Azhar Saeed Al-Sammak and Hashem Khudair Al-Janabi, Geography of the Arab World.</p> <p>2. Basem Abdulaziz Omar Al-Othman and Hussein Aliwi Nasser Al-Zayadi, Geography of the Arab World.</p> <p>3. Bahri Ahmed Al-Katri, Geography of the Arab World.</p>		

Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

Course Name: •	
Geographic thought	
Course Code: 27 •	
Semester / Year: •	
Basic	
Description Preparation Date: •	
25/ 02/ 2025	
Available Attendance Forms: •	
My presence only	
Number of Credit Hours (Total) / Number of Units (Total) •	
45 hours annually. 2 hours per week	
Course administrator's name (mention all, if more than one name) •	
Name: Assistant Professor. Osama Hamid Majeed Email: osama.majeed@uobasrah.edu.iq	
Course Objectives •	
1- Getting to know ancient geographical thought Identify the stages that geographical thought went through Disseminating scientific knowledge and contributing to its clarification by preparing workshops that work to clarify these meanings and their concepts Developing students' abilities and enhancing their scientific potential in studying this aspect of human sciences to achieve the general benefit of society. • • •
Teaching and Learning Strategies •	
Strategy	Educational strategy, collaborative concept planning.

		2- Brainstorming education strategy. 3- Education Strategy Notes Series			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 hours	teacher and researcher able of thinking, distinguishing, and identifying common goals	- First: Geographical thought (general geographical introduction).	Lecture and discussion	Weekly, monthly, daily, written exams, and the end-of-year exam.
2			- The concept of geography (its field, content, and natural boundaries).		
3			- Second: The emergence of geographical thought in Iraq and the Arab world and its spread to other regions of the world. The most prominent characteristics of geographical thought (in general)		
4			Arab geographical thought before Islam (in ancient times).		
5			- Geographical thought in Iraq (its development and most prominent characteristics).		
6			- Geographical thought in Egypt (its development and most prominent characteristics).		
7			- Phoenician geographical thought (its development and		
8					
9					
10					
11					
12					
13					
14					
15					
Holiday					
practicle					
16					
17					
18					
19					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

			<p>most prominent characteristics)</p> <p>Common features of Arab geographical thought (an illuminating cultural image).</p> <p>Arab geographical thought before the emergence of Islam and the most important fields of Arab geographical knowledge.</p> <ul style="list-style-type: none"> - Greek (Greek) geographical thought (its development and most prominent characteristics). - Roman geographical thought (its development and most prominent characteristics). - Chinese geographical thought (its development and most prominent characteristics). - German geographical thought (its characteristics, its most prominent components, its scholars). British (English) geographical thought. (American) geographical thought. - Geographical thought (French). Arab geographical thought (natural geography) (its most prominent scholars). 		
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Course Evaluation •	
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams	
Learning and Teaching Resources •	
Required textbooks (curricular books, if any)	Abri Fares Al-Hiti, Geographical Thought and research Methods, Ministry of Higher Education and Scientific research, University of Baghdad, 1985.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

Course Name: Environmental geography
Environmental geography
Course Code: 28 •
Semester / Year: •
11/6/2025
Description Preparation Date: •
11/6/2025
Available Attendance Forms: •
My presence only
Number of Credit Hours (Total) / Number of Units (Total) •
60hours / 2hours weekly
Course administrator's name (mention all, if more than one name) •
Name: Dr.. Iman Karim Abbas
Email: eman.abass@uobassrah.edu.iq
Course Objectives •

<div>1- Documenting the student’s ability in pollution and the environment.</div> <div>2- Introducing the student to the environment and its pollution.</div> <div>3- Introducing the student to some methods of environmental pollution and drawing an integrated strategy for analyzing them.</div> <div>4- Increasing the student’s ability to develop solutions to environmental problems.</div> <div>Developing the student’s abilities in spatial analysis methods in studying the environment and pollution</div>					
Teaching and Learning Strategies •					
<div>1- Educational strategy, collaborative concept planning.</div> <div>2- Brainstorming education strategy.</div> <div>2- Education Strategy Notes Series</div>					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1-30	2hours	1- Definition of environment and ecology, the concept of environment, natural environment - artificial environment 2- Environment and geography - development of ecology, ecosystems 2- Stages of development of the relationship between	Environmental geography	1- Theoretical lecture 2- Oral questions	Monthly, daily, written exams, and the end-of-year exam.
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		<p>natural and human systems</p> <p>4- Components of natural systems (lithosphere, atmosphere, hydrosphere, biosphere)</p> <p>5- Environment and development, urban development, sustainable development, environment al awareness</p>			
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		<p>6- Environment and environment al pollution, air, water, soil and plant pollution</p>			
		<p>7- Health, noise and radiation pollution</p>			
		<p>8-The problem of drought and desertificatio n, global warming - floods - resource</p>			

		<p>depletion -</p> <p>solid, liquid</p> <p>and gaseous</p> <p>waste.</p> <p>Pesticides</p> <p>and health</p> <p>problems,</p> <p>global and</p> <p>local</p> <p>environment</p> <p>al laws and</p> <p>legislation</p>			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
<p style="text-align: right;">Required prescribed books</p> <p>1- Hassan Sayed Ahmed Abu Al-Enein and others, Human Geography and the Environment, Al-Dar Academic Library, Kuwait, 2006.</p> <p>2- Ali Hassan Musa, Environmental Pollution, Dar Al-Fikr Al-Masryam, Beirut, second edition, 2006.</p>					

Course Description Form

Course Name: •	
GAgricultural geography	
Course Code: 29 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours / 2 hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: Ibtisam Kati Khaji Email: ibtisam.khachy@uobasrah.edu.iq	
Course Objectives •	
1- Knowing what agricultural geography is. 2-Understanding how the first agricultural centers emerged. 3-Understanding the most important natural and human factors affecting the agricultural sector.	dy of geography of power and ewable kinds and it's distribution.
Teaching and Learning Strategies •	
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming.	

3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	<p>Defining the concept of agricultural geography and the emergence of the first agricultural centers</p> <p>The relationship of agricultural geography to the branches of geography and other sciences</p> <p>Agricultural geography curricula</p> <p>The importance of agricultural geography</p> <p>Natural factors</p> <p>Human factors</p> <p>Characteristics of agricultural production</p> <p>Classification of</p>	Agricultural geography	Lecture and discussion	Weekly, monthly, daily, written tests, and the final yearly test.

		<p>agricultural production</p> <p>Field crops</p> <p>Patterns of agricultural production</p> <p>odder crops</p> <p>Animal Production</p> <p>Factors affecting the distribution of livestock</p> <p>Produced animals (cows, sheep, goats, buffalo, camels)</p>			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
<p>M1– Nouri Khalil Al-Barazi, Geography of Agriculture, Ministry of Higher Education and Scientific Research, 1980.</p> <p>2– The remains of a pasture waterfall, Geography of Agriculture, first edition, 2014.</p> <p>3– Subhi Ahmed Al-Dulaimi, Geography of Agriculture, first edition, 2021.</p>					

Course Description Form

Course Name: •
Geography of Power
Course Code: 30 •
Semester / Year: •
2024-2025
Description Preparation Date: •

11/6/2025					
Available Attendance Forms: •					
In presence					
Number of Credit Hours (Total) / Number of Units (Total) •					
90 hours / 3 hours weekly					
Course administrator's name (mention all, if more than one name) •					
Name: fares mhdi Mohammed Email: Fares.mohammed@uobasrah.edu.iq					
Course Objectives •					
1- Introducing students to the concept of energy, the characteristics of energy and its sources, classifications of energy forms and types of sources, operating principles, energy use techniques, and units of energy measurement and conversion. It aims to identify traditional (fossil) energy sources, which are firstly coal energy, secondly petroleum energy, thirdly natural gas energy and fourthly nuclear energy. 3- For students to know the sources of renewable energy, which are first, wind energy, second, hydro energy, third, solar energy, fourth, biological energy, fifth, geothermal energy, sixth, hydrogen energy, seventh, lightning energy. That students understand the generation and production of electrical energy (energy conversion), which includes, first, its characteristics and advantages, second, its limitations and problems, third, the technology of energy conversion, and fourth, the geographical distribution of production and consumption.			Study of geography of power and renewable kinds and its distribution.		
Teaching and Learning Strategies •					
1. Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming. 3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	3 hours	energy concept the concept of energy geography Research methods in energy geography classification of energy sources	Geographical methodology/Geography of petroleum and power		Weekly, monthly, daily, written tests, and final early test.

		<p>Geographic factors affecting the exploitation of natural and human energy sources</p> <p>Coal</p> <p>Oil</p> <p>Natural gas</p> <p>Renewable energy</p> <p>Types of renewable energies</p> <p>electricity</p> <p>Types of electric power stations</p> <p>Geographical distribution of electrical energy</p> <p>production in the world</p> <p>General framework of mineral wealth</p> <p>Metal concept</p> <p>the importance of minerals for humans</p> <p>characteristics of mineral wealth in nature</p> <p>Mining industry</p> <p>The most important types of metals</p> <p>Geographical distribution of mineral</p>			
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		production in the world Regional conflict and competition And international energy sources And international treaties			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
azem Abdel Wahab Hassan, Rashid Abdel Rashid, Energy Geography, College of Arts, University of Basra					

Course Description Form

Course Name: •
Geography of Services
Course Code: 31 •
Semester / Year: •
2024-2025
Description Preparation Date: •
11/6/2025
Available Attendance Forms: •
In presence
Number of Credit Hours (Total) / Number of Units (Total) •
60 hours / 2 hours weekly
Course administrator's name (mention all, if more than • one name)
Name: Ibtisam Kati Khaji

Course Objectives •

- 1_ Students learn about the importance of the services sector and its relationship to geography and reveal the basic justifications for studying it.
- 2- Preparing scientific cadres specialized in studying this sector, understanding its problems, and qualifying them to carry out this scientific role.
- 3- Developing students' abilities and enhancing their scientific potential to engage in the study of this vital sector to achieve the general benefit of society.
- 4- Urging researchers and academics to pay attention to this scientific branch and give it more importance in study and research

Study of geography of power and renewable kinds and its distribution.

Teaching and Learning Strategies •

- Collaborative idea planning and education strategy.
2. Educating strategy through brainstorming.
3. A set of notes on education strategies.

Course Structure •

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	The concept of geography of services and their development The relationship of geography to the study of services and urban life In cities	Geography Dry and Regions	Lecture and discussion	Weekly, monthly, daily, written tests, and the final early test.

		<p>, The development of the study of services in geographical studies</p> <p>Services concept</p> <p>the nature of urban services</p> <p>In cities</p> <p>Determine the spatial framework of the service</p> <p>Study the importance of service</p> <p>Evaluating the efficiency of services</p> <p>Service center concept</p> <p>Methods for determining the service center</p> <p>classification of service centers</p> <p>Service center regions</p> <p>Hierarchy of service centers</p> <p>Public and community services</p> <p>infrastructure services</p>			
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		<p>The concept of service standard</p> <p>Cadastral standards for the service</p> <p>Service access distance standards</p> <p>Per capita share standards</p> <p>The role of basic plans in planning urban services</p> <p>Base chart number periods</p> <p>Understanding the basic plans of cities for the concept of services</p> <p>The volume of services in the basic plans of cities</p> <p>Planning basic services for cities</p> <p>Employing satellite visualization technology in studying services</p> <p>Satellite visual analysis of services</p>			
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		Employing GIS services in studying services. Service mapping, electronic mapping Methods of analyzing electronic maps.			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
M-Mamdouh Shaaban Debs, Geography of Services – Damascus University, 2005–2006.. shir Ibrahim Al-Taif – Mohsen Abdul Ali – Riyad Kazem Al-Jumaili, Urban Geography – University of Baghdad, 2009.					

Course Description Form

solution name: •
G.I.S
solution symbol:32 •
ason/the year:out •
the year:out
te this description was prepared •

15 / 5 /2025					
OPP attendance available: •					
My presence only					
Number of study units (total)/number of units (total): •					
60Watch, 2 per week					
Name of the appointed judiciary (if more than one name is prohibited) •					
Dr. Ammar A.Hussain ammar.hussain@uobasrah.edu.iq					
Objectives of the judiciary •					
<p>Providing learners with knowledge of the importance of geographic information systems</p> <p>Preparing scientific cadres specialized in studying this sector, understanding its problems, and qualifying them to carry out this scientific role.</p> <p>Developing students' abilities and enhancing their scientific potential to engage in the study of this vital sector to achieve the general benefit of society</p>					
Reasons for teaching and learning •					
<p>g researchers and academics to pay attention to this scientific branch and give it more importance in study and research.</p> <p>5- Identify the capabilities of geographic information systems programs</p> <p>studying the science of geographic information systems, both theoretical and applied, and gaining experience in dealing with geographic data in terms of tabulation, analysis, and results</p>					<p>The strategy</p>
Regime •					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week

aFor weekl y, mont hly, daily, writt en exam s, and the end- of- year exam.	Explain			2hour	1
	ing the	roduction to	Distinguis	2hour	2
	scientif	ographic	hing	2hour	3
	ic	formation	common	2hour	4
	materi	systems,		2hour	5
	al	historical		2hour	6
	through	development of		2hour	7
	h	ographic		2hour	8
	lecture	formation		2hour	9
	and	systems,		2hour	10
	discuss	ographic		2hour	11
	ion	atabases		2hour	12
				2hour	13
		networked		2hour	14
		atabases, geo-		2hour	15
		rection of		2hour	16
		networked		2hour	17
		ta, digital		2hour	18
		vation files,		2hour	19
		ethods of		2hour	19
		presenting		2hour	20
		enomena in		2hour	21
		networked		2hour	22
		atabases		2hour	23

		sitioning vices.	2hour	24
			2hour	25
		w the Global sitioning	2hour	26
		stem works,	2hour	27
		nctional tasks	2hour	28
		GIS,	2hour	29
		erying,	2hour	29
		preferencing,		30
		up jections		
		mmarizing bular data,		
		alyzing uctures in		
		bular data,		
		apter testing		
		me GIS		
		ftware,		
		viewed GIS		
		ftware, ARC		
		c top		
		ftware, Arc		
		software,		
		c vew		
		ftware		
		c gis 10.v		
		ogram,		
		ogram		
		ctions,		
		ogram		
		erfaces, how		
		install the		
		ogram,		
		olbars in the		
		erfaces, arc		
		olbox		

		<p>How to build a database in the program, process and modify databases, add descriptive and spatial tables and link them, produce Arc catalog maps, program interface, produce reports and charts, chapter testing.</p>			
Decision evaluation •					
<p>distributionas: 25Menstrual and daily cycle for the first trimester. 25Monthly and daily exam for the second semester. 50Final exam score</p>					
Learning and teaching resources •					
Geographic information systems, foundations and applications / Khalaf Hussein Ali Al-Dulaimi		Basic textbooks (found lessons)			
Basics of geographic information systems / Gamal Shawan		Main references (sources)			
Geographic Information Systems - Basics and Applications for Geographers / Muhammad Khuzami Aziz		Supporting books and references that cuts (scientific journals, reports....)			

	Electronic references, Internet sites

Course Description Form

Course Name: •	
Geopolitics	
Course Code: 33 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours / 2 hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: Zahir Abdel-Zahra Khader Al-Rubaie ..email: dhahir.khudair@uobasrah.edu.iq	
Course Objectives •	
1-Enabling students to understand the subject of political geography. 2- Enabling students to employ their geographical information and skills in their profession as a secondary school teacher. 3- Providing students with science related to the environment. 4- Deepening geographical knowledge and familiarity with the geography of the place and the importance of the state in the present and the past	dy of geography of power and ewable kinds and it's distribution.
Teaching and Learning Strategies •	
Collaborative idea planning and education strategy. 2. Educating strategy through brainstorming.	

3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-30	2 hours	<p>Introduction to political geography, political geography, method of discussion and debate</p> <p>Daily preparation, quizzes, monthly exams, and final exams.</p> <p>Geopolitics and modern geopolitical concepts</p> <p>Factors affecting strength</p> <p>The state (geography)</p> <p>The emergence and development of the state</p> <p>the site</p> <p>Human geographical factors and their impact on building state power and</p>	opolitics	ecture and discussion	Weekly, monthly, daily, written tests, and the final early test.

		<p>population size</p> <p>Population movement and migration</p> <p>the political implications</p> <p>population movement, growth and geographical distribution</p> <p>Economic factors and their impact on building state power</p> <p>Food and industrial resources and agricultural activity</p> <p>mineral resources -</p> <p>And its impact on the power of the state</p> <p>Modern economic blocs</p> <p>Modern economic blocs, international strategic theories (land - continental framework - nuclear)</p>			
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		<p>The Arab world and the new international order - Arab national security reality and challenges) - National security reality and future)</p> <p>Arab food security (towards a strategy to protect Arab food)</p> <p>Navy Aerial nationalities and minorities Space the shape the climate other factors Geographic factors and their effects on state building Economic activity and the development of global economic integration Population distribution their growth</p>			
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		Their installation the concept geopolitics Geographic methods distribution of mineral resources			
Course Evaluation •					
Distribution the score:25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
M- Political Geography (Dr. Nafie Al-Qassab and his colleagues, 1980)					
2- Political Geography (Dr. Sabri Fares Al-Hiti)					

Course Description Form

Course Name: •	
Geographic research method	
Course Code: 34 •	
Semester / Year: •	
2024-2025	
Description Preparation Date: •	
11/6/2025	
Available Attendance Forms: •	
In presence	
Number of Credit Hours (Total) / Number of Units (Total) •	
60hours / 2 hours weekly	
Course administrator's name (mention all, if more than one name) •	
Name: fares mahdi Mohammed Email: fares.mahdi@uobasrah.edu.iq	
Course Objectives •	
teaching pupils how to write geographical research papers. 2. Developing pupils' writing and analytical abilities. 3. Explaining the key approaches and strategies for writing geographical research.	dy of geography of power and renewable kinds and it's distribution.
Teaching and Learning Strategies •	

Collaborative idea planning and education strategy.					
2. Educating strategy through brainstorming.					
3. A set of notes on education strategies.					
Course Structure •					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 1-30	2 hours	1. Developing students' research writing abilities and teaching them how to do such knowing students on the best practices for writing scientific research and the sources available to support that.	Geographic research method	When writing scientific study, identifying the scientific material using contemporary techniques and tools. Each student will write a research paper on a scientific topic and will acquire writing. 3. Obtaining relevant sources for the research topic and learning how to make the most of fieldwork and libraries.	Weekly, monthly, daily, written tests, and final test.
Course Evaluation •					
Distribution the score: 25 monthly and daily for first course. 25 score for monthly and daily for second course. 50 score for final test.					
Learning and Teaching Resources •					
Required test books scientific curriculum research Mohammed Azhir Al smak, khadim Abd alwhab Alasdi petroleum and energy.					

Course Description Form

Course Name:					
Geography of the Arab world					
Course Code:35					
Semester / Year:					
Basic					
Description Preparation Date:					
26/ 02/ 2025					
Available Attendance Forms:					
My presence only					
Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
Course administrator's name (mention all, if more than one name)					
Name: Naglaa Jassim Handal					
naglaa.jassim@uobasrah.edu.iq					
Course Objectives					
1. Identify the natural characteristics of the Arab world.				
2. Identifying human potential in the Arab world.					
Teaching and Learning Strategies					
Strategy		1. Giving a clear picture of the geography of the Arab world. 2. Forming a general perception of how geographical phenomena are represented on the map of the Arab world.			
Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1	hours	Preparing well-	he Arab World website	Lecture and discussion	Weekly, monthly, daily, written exams, and the end-of- year exam.
2		qualified	The importance of the geographical		
3		teachers capable	location of the Arab world		
4		of performing	The strategic importance of the Arab		
5		the teaching task	world's location		
6		and graduating	The geological structure and composition		
7		capable staff	of the Arab world		
8		To understand	Topography of the Arab world		
9		the science of	Terrain units in the Arab world (plateaus)		
10		geography	Torsion mountains		
11			Refractive mountains		
12			Arabian plains (types and geographical		
13			distribution)		
14			Climate of the Arab world, climatic		
15			regions in the Arab world		
Holiday			Water resources in the Arab world		
16			The soil of the Arab world (types of soils		
17			and their geographical distribution)		
18			Natural plants in the Arab world (plant		
19			regions)		
19			Population of the Arab world (spatial		
20			distribution of population)		
21			Population movement in the Arab		
22			world/internal migration		
23			-----		
24			Population movement in the Arab		
25			world/foreign migration		
26			Population integration in the Arab world		
27			Agricultural production in the Arab world		
28			Natural factors affecting agricultural		
29			production		
30			Human factors affecting agricultural		
			production		
			Agricultural crops (wheat, rice, and		
			barley)		
			Agricultural crops (barley crop)		
			Agricultural crops (yellow and white		
			corn)		
			Agricultural crops (legume crops)		
			Agricultural crops (fiber crops)		
			Agricultural crops (oil crops)		
			Agricultural crops (sugar crops)		
			Livestock in the Arab world		

			Mineral wealth in the Arab world Transport and international trade Arab economic integration		
Course Evaluation					
Distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 marks for final exams					
Learning and Teaching Resources					
Required textbooks (curricular books, if any)					
Main references (sources)			1. Muhammad Azhar Saeed Al-Sammak and Hashem Khudair Al-Janabi, Geography of the Arab World. 2. Basem Abdulaziz Omar Al-Othman and Hussein Aliwi Nasser Al-Zayadi, Geography of the Arab World.		
Recommended books and references (scientific journals, reports...)					
Electronic References, Websites					

Course Description Form

1. Course Name : Geography of Iraq - third stage - Department of History - College of Education for Humanities - University of Basra
2. Course Code: 36

3. Semester / Year: 2024- 2025					
4. Description Preparation Date:2025					
5. Available Attendance Forms:Daily attendance (morning)					
6. Number of Credit Hours (Total) / Number of Units (Total): 60 hours in 15 weeks					
7. Course Administrator's Name					
: Makram jamal abass					
Makram.jamal@uobasrah.edu.iq					
8. Course Objectives					
Course Objectives		1 - Identify the concept of the geographical and astronomical location of Iraq 2- Identify the elements and phenomena of weather and climate and the circumstances of their formation. 3- Water resources in Iraq. 3- Study the population and its geographical distribution. 5- Study of agriculture, industry, transportation and trade.			
9. Teaching and Learning Strategies					
Strategy	The lesson includes (2) hours of theory - the number of weekly hours is approved, distributed over 15 weeks.				
10. Course Structure					
Week	Hours	Required learning outcomes	Unit or Subject Name	Learning Method	Evaluation Method
1	2		geographical location of Iraq and its importance, the sections of the surface of Iraq: the mountainous and semi-mountainous regions, the western plateau, the alluvial plain, the marshes and swamps,	theoretical lecture	Oral questions and daily tests

2	2		The climate of Iraq, the factors affecting the climate of Iraq, including the location in relation to the latitudes, the location in relation to the seas, terrain, air masses, and air .depressions	theoretical lecture	Oral questions and daily tests
3			Climate elements: temperature, atmospheric pressure, wind and its types, precipitation. Climatic regions: semi-humid, semi-arid and arid climate region	theoretical lecture	Oral questions and daily tests
4			Soil: First the alluvial plain soil and divided into the river terraces soil, the floodplain soil, the marshes and swamps soil, the Shatt al-	theoretical lecture	Oral questions and daily tests

			Arab region and the coastal flats, the eastern edges soil and the rolling plains. high mountains		
5			The natural vegetation, the natural vegetation regions in Iraq, such as the desert plants region, annuals and perennials, the steppe plants region, the forest and weed regions, the regions of river banks, the marshes and swamps plants region	theoretical lecture	Oral questions and daily tests
6			Population of Iraq, sources of information on the population First: Population Census Second: Vital Statistics Third: Sample survey	theoretical lecture	Oral questions and daily tests

			Fourth: Other sources.		
7		Exam	Population growth and population structure, such as age structure, gender structure, and economic structure Geographical distribution of the population and the distribution of the growth rate of the population of the governorates of Iraq	theoretical lecture	Oral questions and daily tests
8				theoretical lecture	Oral questions and daily tests
9				An explanatory lecture with explanations and examples using a display screen with a blackboard	Surprise tests and assigning students to manage the lecture under supervision and guidance from us, including tests at the end of each course and monthly.
10				An explanatory lecture with explanations	Surprise tests and assigning students to manage the

				and examples using a display screen with a blackboard	lecture under supervision and guidance from us, including tests at the end of each course and monthly.
11				An explanatory lecture with explanations and examples using a display screen with a blackboard	Surprise tests and assigning students to manage the lecture under supervision and guidance from us, including tests at the end of each course and monthly.
12				An explanatory lecture with explanations and examples using a display screen with a blackboard	Surprise tests and assigning students to manage the lecture under supervision and guidance from us, including tests at the end of each course and monthly.
13				An explanatory lecture with explanations and examples using a display screen with a blackboard	Surprise tests and assigning students to manage the lecture under supervision and guidance from us, including tests at the end of each course and monthly.
14				An explanatory	Surprise tests and assigning

				lecture with explanations and examples using a display screen with a blackboard	students to manage the lecture under supervision and guidance from us, including tests at the end of each course and monthly.
15		Exam	Second month exam		
11. Course Evaluation					
Distribution of the score out of 100 according to the tasks assigned to the student, such as daily preparation, daily oral, monthly, or written exams, reports, etc.					
12. Learning and Teaching Sources					
Required textbooks (methodology, if any)			The crimes of the Baath regime in Iraq		
Main references (sources)			.1 - Geography of Iraq. Abdullah Salem Al-Maliki. 2015 2- The Geography of Iraq: A Regional Study from a Contemporary Perspective, Abdul Zahra Ali Al-Janabi, 2010		
Recommended supporting books and references (scientific journals, reports...)			Scientific journals		
Electronic references, websites			Some research and articles on genetics		

Course Description Form

solution name: general geography	•
solution symbol:37	•
ason/the year:out	•
	Out
te this description was prepared28/2/2025	•
OPP attendance available:	•
	My presence only
Number of study units (total)/number of units (total):	•
	60Watch, 2 per week

Name of the appointed judiciary (if more than one name is prohibited)					
the name:M. wafaa Salman hasan E-mail: wafaa.hasan@uobasrah.edu.iq					
Objectives of the judiciary					
<ul style="list-style-type: none">		<ul style="list-style-type: none">What is the concept of general geography–1– The map and its use 23– What is meant by theories that explain the origin of the earth.4– The shape of the earth, longitude			
Reasons for teaching and learning					
1-Cooperative education planning strategy. 2-Teaching strategy brainstorming. 3-Educational notebook series strategy				The strategy	
Regime					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Hours	the week
aFor week ly, mont hly, daily, writt en exam s, and the end-	Explaining the scientific material through lecture and discussion	geography, its definition, development, branches, importance of geography, characteristic map and its uses, map definition, map and geography, map types, map reading, drawing scale, map use in the field and positioning	Distinguishing common	2 hour	1
				2 hour	2
				2 hour	3
				2 hour	4
				2 hour	5
				2hour	6
				2 hour	7
				2 hour	8
				2 hour	9
				2 hour	10
				2 hour	11
				2 hour	12
				2 hour	13
				2 hour	14
				2 hour	15
					vacation
	vacation				
	16				

of- year exam		Earth	2 hour	17
		origin,	2 hour	18
		theories	2 hour	19
		that	2 hour	19
		explain	2 hour	20
		the	2 hour	21
		genesis	2hour	22
		of the	2hour	23
		Earth,	2 hour	24
		the	2 hour	25
		theory	2hour	26
		of	2 hour	27
		asteroid	2 hour	28
		s, the	2hour	29
		theory		30
		of gas		
		tide, the		
		theory		
		of stellar		
		du		
		Earth		
		shape,		
		longitud		
		es and		
		latitudes		
		, earth		
		shape,		
		earth		
		dimensi		
		ons,		
		longitud		
		es,		
		latitudes		
		Moveme		
		nts of		
		the		
		Earth,		
		the		

		<p>movement of the Earth around its axis, the movement of the Earth</p> <p>and topography, land and water distribution, positive terrain, negative terrain</p> <p>Population, population growth, population distribution, density, population composition, migration</p>			
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Decision evaluation •					
distributions: 25Menstrual and daily cycle for the first trimester. 25Monthly and daily exam for the second semester. 50Final exam score					
Learning and teaching resources •					
DUKTUR AHMAD EALI AISMAEIL			Basic textbooks (found lessons)		
2- ALAISTADH ALDUKTUR YUSRAA ALJAWHARI			Main references (sources)		
			Supporting books and references that cuts (scientific journals, reports....)		
			Electronic references, Internet sites		