

The first stage



Course description form

1. Course Name
Foundations of remote sensing and foundations of geographic information systems
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance time
6. Number of study hours (total) / number of units (total)
180
7. Name of the course administrator (if more than one name is mentioned)
Dr. Salim Ghaleb Sabah Email: sileem.sabah@uobasrah.edu.iq

8. Goals
Studying the foundations and concepts of remote sensing Studying the foundations and concepts of geographic information systems Identify the components of remote sensing Identify the components of geographic information systems science
9. Teaching and learning strategies

Managing the lecture, explaining and clarifying the topics, asking questions to the students and discussing them

Conducting daily and quarterly tests

Assigning scientific activities specific to the course

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Explanation, questions, and discussion	theoretical	Remote sensing concept	Remote sensing concept	3	1
=	=	Foundations of remote sensing	Foundations of remote sensing	=	2
=	=	Interaction of energy with features of the Earth's surface	Interaction of energy with features of the Earth's surface	=	3
=	=	Remote sensing methods	Remote sensing methods	=	4
=	=	Remote sensing sources	Remote sensing sources	=	5
=	=	Non-photographic methods	Non-photographic methods	=	6
=	=	Satellites	Satellites	=	7
=	=	Spectral reflectivity	Spectral reflectivity	=	8
=	=	Uses of remote sensing	Uses of remote sensing	=	9
=	=	Principles of satellite visual analysis and interpretation	Principles of satellite visual analysis and interpretation	=	10
=	=	The concept of digital processing	The concept of digital processing	=	11
=	=	Satellite visual correction	Satellite visual correction	=	12
=	=	Improve visual space	Improve visual space	=	13

=	=	Satellite visual classification	Satellite visual classification	=	14
=	=	Software used for digital processing	Software used for digital processing	=	15
=	=	Development of geographic information systems	Development of geographic information systems	=	16
=	=	The concept of geographic information systems	The concept of geographic information systems	=	17
=	=	The importance of geographic information systems	The importance of geographic information systems	=	18
=	=	Advantages of geographic information systems	Advantages of geographic information systems	=	19
=	=	The relationship of geographic information systems to scientific and technical fields	The relationship of geographic information systems to scientific and technical fields	=	20
=	=	Benefits of geographic information systems	Benefits of geographic information systems	=	21
=	=	Components of geographic information systems	Components of geographic information systems	=	22
=	=	Geographic information systems jobs	Geographic information systems jobs	=	23
=	=	Data and information sources in geographic information systems	Data and information sources in geographic information systems	=	24
=	=	Data types in geographic information systems	Data types in geographic information systems	=	25
=	=	Building a geographical information system	Building a geographical information system	=	26
=	=	Geographic information systems software	Geographic information systems software	=	27

=	=	Geographic information systems applications	Geographic information systems applications	=	28
=	=	The concept of global positioning system GPS	The concept of global positioning system GPS	=	29
		Exam	Exam	=	30



11. Course evaluation

Participating students and assigning them to various scientific activities

12. Learning and teaching resources

	Required textbooks (methodology, if any)
Technologies Geography Modern, Doctor Mohammed slave The Giver of All Hassan the lion.	Main references (sources)
1. Foundations and applications of remote sensing, Dr. Jumaa Muhammad Daoud. 2 Principles of Geographic Information Systems, Dr. Jumaa Muhammad Daoud.	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites



Course description form

1. Course Name
Geography of the ancient world
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Official working hours
6. Number of study hours (total) / number of units (total)
180/6 hours weekly
7. Name of the course administrator (if more than one name is mentioned)
Dr. Abazar Aziz Hamid Khudair Al Tamimi Email: abather.hamed@uobasrah.edu.iq

8. Course objectives

1- Introducing the geography of the continents of the ancient world (Africa and Australia) in the natural, human, and economic aspects. 2- Linking regional geography to development and human development issues.

9. Teaching and learning strategies

- 1– Managing the lecture through interactive participation between the professor and the student.
 2– Teaching the students scientific discussion of curriculum topics.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Share	theory	<u>Natural geography of the continent of Africa</u> A- Geographical location B- Area. C- Geological and geomorphological structure.	<u>Natural geography of the continent of Africa</u> A- Geographical location B- Area. C- Geological and geomorphological structure.	4	1
Commitment to attend	theory	1- Terrain.	1- Terrain.	4	2
short exam(quiz)	theory	2- Rivers. 3- Lakes.	2- Rivers. 3- Lakes.	4	3
Share	theory	Climate and climatic regions.	Climate and climatic regions.	4	4
Commitment to attend	theory	Climate and climatic regions.	Climate and climatic regions.	4	5
Participation and commitment to attendance	theory	Plant regions and soil types.	Plant regions and soil types.	4	6
Participation and commitment to attendance	theory	<u>Human geography of the continent of Africa</u> A- Population number and geographical distribution. B- Spatial variation in population distribution	<u>Human geography of the continent of Africa</u> A- Population number and geographical distribution. B- Spatial variation in population distribution	4	7

Participation and commitment to attendance	theory	C- Geographical factors D- The origin of the continent's population and their races.	C- Geographical factors D- The origin of the continent's population and their races.	4	8
Participation and commitment to attendance	theory	<u>Human activity</u> A- Natural factors affecting human activity on the continent. B- The economic components of human activity on the continent.	<u>Human activity</u> A- Natural factors affecting human activity on the continent. B- The economic components of human activity on the continent.	4	9
Participation and commitment to attendance	theory	Economic production of the African continent and its types. 1- Primitive production. 2- Forest investment. 3- Agricultural wealth	Economic production of the African continent and its types. 1- Primitive production. 2- Forest investment. 3- Agricultural wealth	4	10
Participation and commitment to attendance	theory	4- Livestock. 5- Mineral wealth, mining, and industrial production.	4- Livestock. 5- Mineral wealth, mining, and industrial production.	4	11
Participation and commitment to attendance	theory	<u>Transport and communications on the African continent and its types.</u> 1- Water transport: A- River transport. B- Maritime transport.	<u>Transport and communications on the African continent and its types.</u> 1- Water transport: A- River transport. B- Maritime transport.	4	12
Participation and commitment to attendance	theory	2- Land transportation. 3- Railway transportation.	2- Land transportation. 3- Railway transportation.	4	13
Participation and	theory	4- Air transportation.	4- Air transportation.	4	14

commitment to attendance					
Participation and commitment to attendance	theory	Comparison between the types of transportation found in the continent of Africa.	Comparison between the types of transportation found in the continent of Africa.	4	15
Participation and commitment to attendance	theory	<u>Physical geography of the continent of Australia</u> A- Geographical location B- Area. C- Geological and geomorphological structure.	<u>Physical geography of the continent of Australia</u> A- Geographical location B- Area. C- Geological and geomorphological structure.	4	16
Participation and commitment to attendance	theory	1- Terrain.	1- Terrain.	4	17
Participation and commitment to attendance	theory	2- Rivers. 3- Lakes.	2- Rivers. 3- Lakes.	4	18
Participation and commitment to attendance	theory	Climate and climatic regions.	Climate and climatic regions.	4	19
short exam(quiz)	theory	Botanical regions.	Botanical regions.	4	20
Participation and commitment to attendance	theory	<u>Human geography of Australia</u> A- Population number and geographical distribution. B- Spatial variation in population distribution.	<u>Human geography of Australia</u> A- Population number and geographical distribution.	4	21

		<p>C- Geographic factors (natural and human) affecting population distribution.</p> <p>D- The origin of the continent's population and their races.</p>	<p>B- Spatial variation in population distribution.</p> <p>C- Geographic factors (natural and human) affecting population distribution.</p> <p>D- The origin of the continent's population and their races.</p>		
Participation and commitment to attendance	theory	<p><u>Human (economic) activity on the continent.</u></p> <p>A- Natural factors affecting human activity on the continent.</p> <p>B- The economic components of human activity on the continent.</p>	<p><u>Human (economic) activity on the continent.</u></p> <p>A- Natural factors affecting human activity on the continent.</p> <p>B- The economic components of human activity on the continent.</p>	4	22
Participation and commitment to attendance	theory	<p><u>Economic production of the Australian continent and its types.</u></p> <p>1-Agricultural wealth. 2- Livestock.</p>	<p><u>Economic production of the Australian continent and its types.</u></p> <p>1-Agricultural wealth. 2- Livestock.</p>	4	23
Participation and commitment to attendance	theory	<p>3- Mineral wealth, mining, and industrial production.</p>	<p>3- Mineral wealth, mining, and industrial production.</p>	4	24
Participation and commitment to attendance	theory	<p>The main economic activities on the continent of Australia.</p>	<p>The main economic activities on the continent of Australia.</p>	4	25
Participation and	theory	<p><u>Transport and communications on the Australian continent and its types.</u></p> <p>1- Land transportation.</p>	<p><u>Transport and communications on the Australian continent and its types.</u></p>	4	26

commitment to attendance			1- Land transportation.		
Participation and commitment to attendance	theory	2- Railway transportation.	2- Railway transportation.	4	27
Participation and commitment to attendance	theory	The most important states and major cities on the continent of Australia	The most important states and major cities on the continent of Australia	4	28
Participation and commitment to attendance	theory	<u>Geography of Tasmania Island</u> A- Geographical location. B- Area. C- Location of land and water. D- Geological and geomorphological structure.	<u>Geography of Tasmania Island</u> A- Geographical location. B- Area. C- Location of land and water. D- Geological and geomorphological structure.	4	29
Participation and commitment to attendance, test	theory	<u>The human geography of Tasmania.</u> 1- Population situation. 2 - The main economic activities on the island of Tasmania (agricultural production, mineral production and mineral ores) 3- The most important major cities on the island of Tasmania.	<u>The human geography of Tasmania.</u> 1- Population situation. 2 - The main economic activities on the island of Tasmania (agricultural production, mineral production and mineral ores) 3- The most important major cities on the island of Tasmania.	4	30

11. Course evaluation/commitment to attendance and examinations

12. Learning and teaching resources	
Geography of continents (geography of the ancient world)	Required textbooks (methodology, if any)
The continent of Africa, studies in regional geography	Main references (sources)
All regional geography books on the world's continents	Recommended supporting books and references (scientific journals, reports,)
-	Electronic references, websites



13. Course Name
Foundations of cartography and surveying
14. Course Code
15. Semester/year
annual
16. The date this description was prepared
3/30/2024
17. Available attendance forms
Attendance
18. Number of study hours (total) / number of units (total)
180 hours, 6 hours per week
19. Name of the course administrator (if more than one name is mentioned)

Dr. Jassim Jabbar Ajeel Email: jassim.ajeel@uobasrah.edu.iq

Course description form

20. Course objectives

The student should be armed with the basic principles of the map elements in detail.
 –The student will be able to read and analyze the map and extract cadastral measurements.
 The student should be able to produce a geographical map.
 The student should be able to direct a map, read phenomena, and represent them.
 The student must be able to extract geographical coordinates and have knowledge of map locations and their types.
 Teaching the student how to take cadastral measurements and use cadastral devices.

21. Teaching and learning strategies

- Using brainstorming strategy to develop skills.
- Preparing research and reports.
- the Practical application.
- Critical thinking.

22. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Written tests	Presentation and discussion	The development of cartography and surveying	Knowledge, understanding, and practical application of topics that require	6	1
Written tests	Presentation and discussion	The development of cartography		6	2
Written tests	Presentation and discussion	Historical development of space		6	3
Written tests	Presentation and discussion	Types of geographic data and their sources		6	4

Written tests	Presentation and discussion	Drawing scales and measurements from maps	measurements, calculations, and drawing.	6	5
Written tests	Presentation and discussion	Types of drawing scales		6	6
Written tests	Presentation and discussion	Ways to change metrics		6	7
Written tests	Presentation and discussion	Types of geographic data and their sources		6	8
Written tests	Presentation and discussion	Generalization processes		6	9
Written tests	Presentation and discussion	Measure distances from maps		6	10
Written tests	Presentation and discussion	Measuring areas from maps		6	11
Written tests	Presentation and discussion	Measure slopes from maps		6	12
Written tests	Presentation and discussion	Coordinate systems		6	13
Written tests	Presentation and discussion	Locations of maps (its sections, purposes, construction, and appropriate location)		6	14
Written tests	Presentation and discussion	Map classification		6	15
Written tests	Presentation and discussion	Orient maps and set directions		6	16
Written tests	Presentation and discussion	Determine the location of the observer		6	17

Written tests	Presentation and discussion	History and sections of surveying	6	18
Written tests	Presentation and discussion	Units and systems of measurement	6	19
Written tests	Presentation and discussion	Measuring distances	6	20
Written tests	Presentation and discussion	Measure deviations	6	21
Written tests	Presentation and discussion	Measuring devices	6	22
Written tests	Presentation and discussion	Field applications	6	23
Written tests	Presentation and discussion	Classification based on drawing scale	6	24
Written tests	Presentation and discussion	Classification based on map production	6	25
Written tests	Presentation and discussion	Classification based on the theme or purpose of the map	6	26
Written tests	Presentation and discussion	Visual borders and variables for clarity and ease of reading	6	27
Written tests	Presentation and discussion	Balance of map components	6	28
Written tests	Presentation and discussion	Topographic symbols used on maps of Iraq	6	29
Written tests	Presentation and discussion	Contour lines method	6	30

23. Course evaluation

100 marks divided into 25 marks for the first semester, 25 marks for the second semester, and 50 marks for the final exam.

24. Learning and teaching resources

	Required textbooks (methodology, if any)
Principles of cartography, Dr. Hossam El-Din Gad Al-Rab, 2012 Principles of maps and surveying, Dr. Ibrahim Ziyadi, 1997	Main references (sources)
Principles of surveying, Dr. Juma Muhammad Daoud, 2012	Recommended supporting books and references (scientific journals, reports,)
http://www.youtube.com/@mesa7aegy	Electronic references, websites



Course description form

25. Course Name:
Democracy and human rights
26. Course Code
27. Semester/Year:
annual
28. Date this description was prepared:
11/23/2023
29. Available attendance forms:
Attendance
30. Number of study hours (total) / number of units (total):
120/4 hours per week
31. Name of the course administrator (if more than one name is mentioned):
Dr. Sarah Abdel Hussein Taha Al-Eidan Email: sarahtaha5432@gmail.com

32. Course objectives:
Providing the opportunity for a large number of students to learn about the most important human rights principles and freedoms in Iraq.
33. Teaching and learning strategies:
Everything related to the method of delivering any material to students so that they can achieve the desired goal through the means used in controlling the material.

34. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily preparation and daily exams	immanence	Democracy human rights	Democracy A- Its concept B- Its advantages C- Its types D- Its pillars and foundations for its construction	4	1
Daily preparation and daily exams	immanence	Democracy human rights	Democracy mechanisms	4	2
Daily preparation and daily exams	immanence	Democracy human rights	human rights أ- His concept ب- Historical development	4	3
Daily preparation and daily exams	immanence	Democracy human rights	Pillars of democracy	4	4
Daily preparation and daily exams	immanence	Democracy human rights	The relationship between democracy, human rights, and human rights	4	5
Daily preparation and daily exams	immanence	Democracy human rights	Democracy in Iraq	4	6
Daily preparation and daily exams	immanence	Democracy human rights	The cultural roots of democracy in Iraq	4	7
Daily preparation and daily exams	immanence	Democracy human rights	The royal era 1920 - 1958 and before	4	8
Daily preparation and daily exams	immanence	Democracy human rights	The first Republican era 1958 - 2003 AD	4	9

			<p>أ- The First Republic 1958 - 1963</p> <p>ب- The Second Republic 1963 - 1968</p> <p>ج- The Third Republic 1968 - 2003</p>		
Daily preparation and daily exams	immanence	Democracy human rights	Evaluation of the work of the National Council	4	10
Daily preparation and daily exams	immanence	Democracy human rights	Human dignity and rights index	4	11
Daily preparation and daily exams	immanence	Democracy human rights	The Second Republican Era (the experience of building an Iraqi democratic system)	4	12
Daily preparation and daily exams	immanence	Democracy human rights	Occupation and transitional period	4	13
Daily preparation and daily exams	immanence	Democracy human rights	The Governing Council and the transitional period	4	14
Daily preparation and daily exams	immanence	Democracy human rights	Permanent Constitution 2005	4	15
Daily preparation and daily exams	immanence	Democracy human rights	Legislative authority (Parliament)	4	16
Daily preparation and daily exams	immanence	Democracy human rights	Executive authority (Cabinet)	4	17
Daily preparation and daily exams	immanence	Democracy human rights	Judicial authority (Supreme Judicial Council)	4	18

Daily preparation and daily exams	immanence	Democracy human rights	Democracy promotion missions	4	19
Daily preparation and daily exams	immanence	Democracy human rights	Democratic deepening	4	20
Daily preparation and daily exams	immanence	Democracy human rights	Expanding political constitutional organizations	4	21
Daily preparation and daily exams	immanence	Democracy human rights	Improve system performance	4	22
Daily preparation and daily exams	immanence	Democracy human rights	Democratic experimentation in Iraq	4	23
Daily preparation and daily exams	immanence	Democracy human rights	Problems and challenges of democracy	4	24
Daily preparation and daily exams	immanence	Democracy human rights	The contemporary Iraqi experience in democratic transformation	4	25
Daily preparation and daily exams	immanence	Democracy human rights	Problems facing the democratic experience in Iraq	4	26
Daily preparation and daily exams	immanence	Democracy human rights	Low level of general knowledge about the nature of democracy	4	27
Daily preparation and daily exams	immanence	Democracy human rights	Occupation	4	28
Daily preparation and daily exams	immanence	Democracy human rights	Remnants of the former regime	4	29
Daily preparation and daily exams	immanence	Democracy human rights	Al-Qaeda sectarian terrorist organization	4	30

35. Course evaluation

This is done through the use of explanations and illustrations

36. Learning and teaching resources	
The Dialectic of Theocracy and Democracy, Hassan Al-Sayyid Ezzedine Bahr Al-Ulum, 2006	Required textbooks (methodology, if any)
The Dialectic of Theocracy and Democracy, Hassan Al-Sayyid Ezzedine Bahr Al-Ulum, 2006	Main references (sources)
Introduction to Political Science, Hafez Alwan Al-Dulaimi, 1999	Recommended supporting books and references (scientific journals, reports,)
nothing	Electronic references, websites

Course description form

37. Course Name
Weather and climate science
38. Course Code
39. Semester/year
annual
40. The date this description was prepared
3/30/2024
41. Available attendance forms
Attendance
42. Number of study hours (total) / number of units (total)
180 /4
43. Name of the course administrator (if more than one name is mentioned)

Dr. Shaima Sami Abdel Hafez Email: shaymaa.sami@uobasrah.edu.iq

44. Goals

- ✓ Learn about the concept of weather and climate science and its relationship to meteorology
 - ✓ Identify the elements and phenomena of weather and climate and the circumstances of their formation
 - ✓ Geographic distribution of climate elements
 - ✓ Studying climate change and its environmental effects
- Study the concepts of climate classification

45. Teaching and learning strategies

Lectures, illustrations, group learning,

46. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
	Lecture and discussion	The concept of weather and climate science, its comparison, and its relationship with other sciences		3	1
	Lecture and discussion	The structure of the gaseous envelope and its components		3	2
	Lecture and discussion	Natural characteristics of the atmosphere		3	3
	Lecture and discussion	Solar radiation		3	4
	Lecture and discussion	Thermal balancing		3	5
	Lecture and discussion	Controlling the climate system		3	6
	Lecture and discussion	Factors affecting the distribution of solar radiation		3	7
	Lecture and discussion	Temperatures		3	8
First-semester exam	Lecture and discussion	Atmospheric pressure		3	9

	Lecture and discussion	Atmospheric cycle	3	10
	Lecture and discussion	Wind	3	11
	Lecture and discussion	Types of wind	3	12
	Lecture and discussion	Tornadoes And anti-hurricanes	3	13
	Lecture and discussion	The interaction of the atmosphere with other atmospheres	3	14
	Lecture and discussion	Global Warming	3	15
Second-semester exam	Lecture and discussion	Change in the ice cover	3	16
	Lecture and discussion	El Nino phenomenon and the Walker cycle	3	17
	Lecture and discussion	Energy and momentum changes	3	18
	Lecture and discussion	Air humidity	3	19
	Lecture and discussion	water cycle in nature	3	20
	Lecture and discussion	Condensation and image	3	21
	Lecture and discussion	Precipitation and evaporation	3	22
	Lecture and discussion	General courses and secondary courses	3	23
	Lecture and discussion	Rosby waves	3	24
	Lecture and discussion	Jet streams	3	25
	Lecture and discussion	Climatic classification	3	26
	Lecture and discussion	Köppen classification	3	27
	Lecture and discussion	Humid tropical climate patterns	3	28
	Lecture and discussion	Dry climate patterns	3	29
	Lecture and discussion	Temperate and continental climate patterns	3	30

47. Course evaluation

48. Learning and teaching resources

Foundations and principles in weather and climate science, written by Dr. Ali Abdel-Zahra Al-Waeli 2018	Required textbooks (methodology, if any)
Foundations of Climatology, written by Dr. Sabah Al-Rawi and Adnan Hazza Al-Bayati, 2000	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites



The second stage

Course description form



49. Course Name	
Tourism geography	
50. Course Code	
51. Semester/year	
annual	
52. The date this description was prepared	
3/30/2024	
53. Available attendance forms	
Attendance only	
54. Number of study hours (total) / number of units (total)	
(120) hours – (120) units	
55. Name of the course administrator (if more than one name is mentioned)	
Dr. Sorour Abdel Amir Hamza Email: dktwrt@gmail.com	

56. Goals

- 1- Gain Student's Skill Education And learning to be on capacity in Continue Learning.
- 2- expansion looking at Students learn about the importance of tourism and how to preserve it.
- 3- acquisition expertise Discussion And learning and with what Proportional to with Subject.
- 4- statement Most important Tourist attractions in Iraq as living examples for study.

57. Teaching and learning strategies

- 1- strategy education Theoretical Cooperative And discussion.
- 2- Share Daily.
- 3- strategy education series Notes.
- 4- Preparation Views Moot With the material.

58. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Exams weekly and monthly daily and editorial and an exam at the end of the year.	Preparation Lectures And its fragmentation to agree Curriculum The follower to expand to think Students By geography Tourist	Definition of tourism and tourist	1- to explain the Subject Scientific during the lecture and discuss it theoretically. 2- writing paper to	4 hours	1
	the job on Introduce the information Private By geography Tourist And make it Compatible with the book Systematic, via summaries from multiple sources	Components and types of tourism, types of tourism - the importance of tourism in development	choose Female students around Theme Subtract during Lectures, and discuss in the lecture 3- Use means Clarification from	4 hours	2
	Provide suggested tourism examples	The role of tourism in community development, goals of tourism and development	(the blackboard, Maps, Pens, Summaries, and means Other	4 hours	3
	Preparing scientific trips	Tourism development	Contribute in delivery Subject	4 hours	4

		Direct effects of tourism	And the idea desired of which)	4 hours	5
		Indirect effects of tourism		4 hours	6
		The economic and social impacts of domestic tourism		4 hours	7
		Economic and social impacts of international tourism		4 hours	8
		Geographic connection with tourism		4 hours	9
		International tourism institutions and organizations		4 hours	10
		Geographic approaches to the study of tourism		4 hours	11
		Tourism geography as applied geography		4 hours	12
		Natural factors affecting tourist attraction		4 hours	13
		The human and cultural components affecting tourism		4 hours	14
		Accommodation services in tourist areas		4 hours	15
		Service components affecting tourism		4 hours	16
		The mutual impact between		4 hours	17

		transportation and tourism		
		The most important methods and means of transportation affecting tourism	4 hours	18
		The reality and future of the global tourism movement	4 hours	19
		Geographical distribution of tourists in the world	4 hours	20
		Motivations and incentives for global travel	4 hours	21
		Arab ecotourism, reality and ambition	4 hours	22
		Elements of revitalizing Arab eco-tourism	4 hours	23
		Future trends for the growth of global tourism traffic	4 hours	24
		The concept of ecotourism	4 hours	25
		Types of ecotourism	4 hours	26
		The importance of ecotourism	4 hours	27
		Negative effects of ecotourism	4 hours	28
		Basics of ecotourism	4 hours	29

		Dimensions of ecotourism		4 hours	30
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59. Course evaluation

distribution as follows: 25degree Exams Monthly and Daily For separation the first. 25degree Exams Monthly and Daily For separation the second. 50 marks for Final exam

60. Learning and teaching resources

geography tourism, Dr. Sobhi Ahmed Al-Dulaimi, Salah Adnan Mjol,2020	Required textbooks (methodology, if any)
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tourism Environmentally Sustainable between the theory and the application, Dr. Fouad Huffy,2015	Main references (sources)
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	Recommended supporting books and references (scientific journals, reports,)
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	Electronic references, websites
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Course description f

61.	Course Name
	Applied climate geography
62.	Course Code
63.	Semester/year
	annual
64.	The date this description was prepared

10/3/2024

65. Available attendance forms

Attendance

66. Number of study hours (total) / number of units (total)

180 hours, 6 hours per week

67. Name of the course administrator (if more than one name is mentioned)

Dr. Souad Abdullah Fadhihsuaad.fadhe@uobasrah.edu, email:

68. Goals

An introduction to applied climate and its related concepts, the application of climate elements to natural and human phenomena, and how to calculate climate elements using mathematical methods

69. Teaching and learning strategies

Use mathematical methods and explain the material in a discussion manner

70. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly examinations	Explanation of the material, group discussion, debate, and dialogue	Definition of applied climate, its origins and branches	Students acquire the skill and how to deal with mathematical operations	6	1
		Climate, soil, and the relationship between them through the influence of climatic elements		6	2

		Comparison between old and modern climate devices	6	3
		Climate, agriculture, and the extent of the impact of climatic elements on agricultural production	6	4
		Climate, fish wealth, the extent of the effect of temperatures on aquatic environments, and the differences in fish species and their varying presence	6	5
		Climate, forests, and the role of climatic elements, solar radiation and temperature within the forest environment and the open spaces surrounding it	6	6
		Climate, human comfort, and the concept of physiological stress	6	7
		Climate, public health, and the direct impact of climate on human health	6	8
		Climate, transportation, and the impact of climatic elements on types of transportation	6	9
		Climate, industry, and how climate affects estimating whether to increase or decrease the cost of industrial production	6	10
		Climate, industry, and how climate affects estimating whether to increase or decrease	6	11

	the cost of industrial production			
	Climate and environment, whether agricultural or animal		6	12
	The climate, the city, and the extent of its difference from the climate of neighboring regions		6	13
	Factors that help shape the city's climate and the difference in materials used in construction between the countryside and the city		6	14
	The basic characteristics of the city's climate by discussing the climatic elements that affect it		6	15
	Factors affecting the climate of Iraq (geographical location, terrain, distance, and proximity to bodies of water)		6	16
	Factors affecting the climate of Iraq (geographical location, terrain, distance, and proximity to bodies of water)		6	17
	The effect of climate change on the rate of spread of diseases and their variation from one place to another and from one season to another		6	18
	Climate changes, their effects on the environment, and the		6	19

	concept of climate change			
	The importance of climatic factors in plant productivity, such as light, heat, and humidity		6	20
	The importance of climatic factors in animal productivity		6	21
	The impact of climate change on agricultural production, which includes plant and animal production		6	22
	For climate and building design, the appropriate design for a building in a specific climate is determined by processing the available climate information		6	23
	Climate, military operations, and its impact on creating strategic location		6	24
	The relationship between climate, tourism, and entertainment		6	25
	Comfort indicators and regulations, including comfort/humidity and air-cooling guide		6	26
	The direct impact of climatic elements on buildings, such as heat, solar radiation, wind, and humidity		6	27
	Factors affecting the use of wind as an energy source: wind speed, wind direction, and tidal energy		6	28

		The influence of climate elements on vegetation	6	29
		Means of measuring climatic factors: means of measuring temperature, means of measuring humidity and wind	6	30

71. Course evaluation

The grade is divided into 25 marks for the first-semester monthly exam with daily exams, 25 marks for the second-semester monthly exam with daily exams, and 50 marks for the final exams.

72. Learning and teaching resources

Adel Saeed Al-Rawai, Qusay Abdul Majeed Al-Samarrai, Applied Climate, University of Baghdad / College of Arts, 1990	Required textbooks (methodology, if any)
Salam Hatf Ahmed Al-Jubouri, Applied Climatology, University of Baghdad / Ibn Rushd College, 2014	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Course description form

1. name The decision
Geography of the continents of Eurasia
2. Course Code
3. Semester/year

annual
4. The date this description was prepared
2023 – 2024
5. Available attendance forms
6. Number of study hours (total) / number of units (total)
60 hours
7. Name of the course administrator (if more than one name is mentioned)
Dr. Ibtihal Shaker Majeed Email: ibtihalshaker057@gmail.com

8. Goals
A regional study of the continents of Asia and Europe
9. Teaching and learning strategies
Weekly lectures

10. Course structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
a test	Interactive lecture	Location and area of the European continent	Natural geography of Europe	2	1
a test	Interactive lecture	Geological structure and topography	Structure and terrain	2	2

a test	Interactive lecture	Climatic regions	Climate of the European continent	2	3
a test	Interactive lecture	Botanical regions	Natural plant	2	4
a test	Interactive lecture	Rivers, seas, and lakes in Europe	Water Resources	2	5
a test	Interactive lecture	Population Qualitative composition of the population	Human geography of Europe	2	6
a test	Interactive lecture	Population growth	Population	2	7
a test	Interactive lecture	Natural factors affecting agriculture	Agriculture	2	8
a test	Interactive lecture	Human factors	Agriculture	2	9
a test	Interactive lecture	Agricultural regions in the continent of Europe	Agriculture	2	10
a test	Interactive lecture	Fish master	Agriculture	2	11
a test	Interactive lecture	Types of metals	Mineral wealth	2	12
a test	Interactive lecture	The most important industries in Europe	Industry	2	13

a test	Interactive lecture	Types of transportation	Transport	2	14
a test	Interactive lecture	Like for Germany	Selected European country	2	15
a test	Interactive lecture	Location and space	Natural Geography of Asia	2	16
a test	Interactive lecture	Geological structure	Structure and terrain	2	17
a test	Interactive lecture	Climatic regions	Climate of Asia	2	18
a test	Interactive lecture	Botanical regions	Natural plant	2	19
a test	a lecture Interactive	More important Industries in continent Europe	Industry	2	20
a test	a lecture Interactive	Species Transport	Transport	2	21
a test	a lecture Interactive	like For Germany	nation European Selected	2	22
a test	a lecture Interactive	the site and space	geography Asia nature	2	23
a test	a lecture Interactive	Installation Geologist	Structure And the terrain	2	24
a test	a lecture Interactive	Regions Nakhiyya	climate continent Asia	2	25

a test	a lecture Interactive	Regions Vegetarianism	the plant Natural	2	26
a test	a lecture Interactive	More important Industries in the continent of Asia	Industry	2	27
a test	a lecture Interactive	Species Transport	Transport	2	28
a test	a lecture Interactive	Agricultural regions in Asia	Agricultural activity	2	29
a test	a lecture Interactive	Japan	Selected Asian country	2	30



11. Course

100 marks divided into 25 marks for the first semester, 25 marks for the second semester, and 50 marks for the final exam.

12. Learning and teaching resources

Continental Geography Ali Hassan Musa	Required textbooks (methodology, if any)
Continental Geography: Abdul Ali Al-Khafaf and Abdul Makhor Al-Rihani	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)

	Electronic references, websites

Course description form

1. Course Name
Geography of the soil
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3-30-2024
5. Available attendance forms
Weekly – in-person classrooms
6. Number of study hours (total) / number of units (total)
2 hours per week, 60 hours total
7. Name of the course administrator (if more than one name is mentioned)
Dr. Rawa Abdul Karim Email: rawa.shakir2uobasrah.edu.iq

8. Course objectives
The student should be familiar with the nature of soil geography, its principles, and its characteristics, and know the most important problems to which it is exposed and the most important methods of treating them.

9. Teaching and learning strategies

Cognitive goals and skills through the student's acquisition of ability and distinction in the vocabulary of the subject through teaching and learning methods Provide students with the basics and modern topics. Lectures – Asking questions and opening the door to dialogue – exercises – daily contributions, Evaluation methods the exam – Awarding marks for some of the questions asked –

thinking skills Developing intellectual abilities, asking intellectual questions, discussing the subject, evaluation methods, and participating in preparation and examination.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Questions and discussion	Lectures	The concept of soil and its relationship to other sciences	Understand the lecture and know it with mental skills	2	1
Questions and discussion	Lectures	Soil horizons and formation factors	Understand the lecture and know it with mental skills	2	2
Questions and discussion	Lectures	Physical properties of soil, soil texture and structure	Understand the lecture and know it with mental skills	2	3
Questions and discussion	Lectures	The apparent and actual density of the soil	Understand the lecture and know it with mental skills	2	4

discussion					
Questions and discussion	Lectures	Soil porosity	Understand the lecture and know it with mental skills	2	5
Questions and discussion	Lectures	Soil moisture content	Understand the lecture and know it with mental skills	2	6
Questions and discussion	Lectures	Water flow rate and soil water conductivity	Understand the lecture and know it with mental skills	2	7
Questions and discussion	Lectures	Chemical properties of soil organic matter	Understand the lecture and know it with mental skills	2	8
Questions and discussion	Lectures	Calcium carbonate (lime)	Understand the lecture and know it with mental skills	2	9
Questions and discussion	Lectures	Calcium sulphate (gypsum)	Understand the lecture and know it with mental skills	2	10
Questions and discussion	Lectures	Degree of soil interaction	Understand the lecture and know it with mental skills	2	11

discussion					
Questions and discussion	Lectures	Soil salinityEC	Understand the lecture and know it with mental skills	2	12
Questions and discussion	Lectures	Positive and negative ions in the soil	Understand the lecture and know it with mental skills	2	13
Questions and discussion	Lectures	Exchanged sodium and sodium absorption	Understand the lecture and know it with mental skills	2	14
Questions and discussion	Lectures	Exam	Understand the lecture and know it with mental skills	2	15
Questions and discussion	Lectures	Soil biological properties	Understand the lecture and know it with mental skills	2	16
Questions and discussion	Lectures	Soil classification	Understand the lecture and know it with mental skills	2	17
Questions and discussion	Lectures	Soil problems - soil salinity problem	Understand the lecture and know it with mental skills	2	18

discussion					
Questions and discussion	Lectures	Erosion problem	Understand the lecture and know it with mental skills	2	19
Questions and discussion	Lectures	The problem of sand dune creep	Understand the lecture and know it with mental skills	2	20
Questions and discussion	Lectures	The problem of urban sprawl	Understand the lecture and know it with mental skills	2	21
Questions and discussion	Lectures	Soil pollution problem	Understand the lecture and know it with mental skills	2	22
Questions and discussion	Lectures	Overgrazing	Understand the lecture and know it with mental skills	2	23
Questions and discussion	Lectures	Soil reclamation and maintenance	Understand the lecture and know it with mental skills	2	24
Questions and discussion	Lectures	Reclamation of soils affected by salinity	Understand the lecture and know it with mental skills	2	25

discussion					
Questions and discussion	Lectures	Protecting soil from erosion and sand dunes	Understand the lecture and know it with mental skills	2	26
Questions and discussion	Lectures	Protecting soil from pollution	Understand the lecture and know it with mental skills	2	27
Questions and discussion	Lectures	Follow correct agricultural methods	Understand the lecture and know it with mental skills	2	28
Questions and discussion	Lectures	Methods of reclaiming sedimentary soil in Basra Governorate	Understand the lecture and know it with mental skills	2	29
Questions and discussion	Lectures	Exam	Understand the lecture and know it with mental skills	2	30

11. Course evaluation

Exam – Participation

12. Learning and teaching resources

Soil Geography (Dr. Abdullah Al-Maliki and Dr. Najm Abdullah) Soil Geography (Dr. Kazem Shanta)	Required textbooks (methodology, if any)
	Main references (sources)
The phenomenon of desertification in Iraq and ways to reduce it (Dr. Abdullah Al-Maliki) Geographical analysis of the characteristics of sandy soil and some methods for improving it in the western region of Basra Governorate (Dr. Roy Abdel Karim Shaker)	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites



Course description form

1. name The decision
Geography of the Arab world
2. Course Code
3. Semester/year
annual

4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance
6. Number of study hours (total) / number of units (total)
60 hours / 2 hours per week
7. Name of the course administrator (if more than one name is mentioned)
Dr. Muhammad Khudair Salman Email:

8. Goals
A regional study of the Arab world.
9. Teaching and learning strategies
Teaching students' weekly lectures.

10. Course structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
	Interactive lecture	Arab World website	The location of the Arab world and its importance	2	1
	Interactive lecture	Bahri website for the Arab world	The location of the Arab world about the seas	2	2
	Interactive lecture	Plateaus	Topography of the Arab world	2	3
	Interactive lecture	Plains and mountains	Topography of the Arab world	2	4

	Interactive lecture	Factors affecting climate	Climate of the Arab world	2	5
	Interactive lecture	Manna elements	Climate of the Arab world	2	6
	Interactive lecture	Climatic regions	Climate of the Arab world	2	7
	Interactive lecture	Soil formation factors	the soil	2	8
	Interactive lecture	Soil elements	the soil	2	9
	Interactive lecture	Soil types	the soil	2	10
	Interactive lecture	Factors affecting the natural plant	Natural plant	2	11
	Interactive lecture	Natural plant territories	Natural plant	2	12
	Interactive lecture	Types of water resources	Water Resources	2	13
	Interactive lecture	Surface resources	Water Resources	2	14
	Interactive lecture	underground water	Water Resources	2	15
	Interactive lecture	Population characteristics	Population	2	16
	Interactive lecture	Population growth	Population	2	17
	Interactive lecture	Factors affecting population distribution	Population	2	18
	Interactive lecture	Grain cultivation	Agriculture	2	19

	Interactive lecture	Palm cultivation	Agriculture	2	20
	Interactive lecture	Cash crops	Agriculture	2	21
	Interactive lecture	Animal wealth	Agriculture	2	22
	Interactive lecture	Characteristics of the agricultural sector	Agriculture	2	23
	Interactive lecture	Fishing	Agriculture	2	24
	Interactive lecture	Oil	energy resources	2	25
	Interactive lecture	Characteristics of Arabian oil	energy resources	2	26
	Interactive lecture	Natural gas	energy resources	2	27
	Interactive lecture	Types of metals	Mineral wealth	2	28
	Interactive lecture	Industries in the Arab world	Industry	2	29
	Interactive lecture	Types of transportation	Transport	2	30

11. Course evaluation

12. Resources for learning and teaching geography of the Arab world

Geography of the Arab world

Required textbooks (methodology, if any)

Geography of the Arab world

Main references (sources)

	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites



Course description form

1. Course Name
Geographic research method
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2023
5. Available attendance forms
Official working hours
6. Number of study hours (total) / number of units (total)
6 hours....30 alone
7. Name of the course administrator (if more than one name is mentioned)
Dr. Raunaq Hakim Abdel Amir Email: rawnaq.hakeem@uobasrah.edu

8. Goals

1. The student's knowledge of the concept of scientific research
2. Recognizing the importance of scientific research in developing societies
3. Recognizing the importance of studying scientific research methods
4. Study methods for documenting geographical sources and information

9. Teaching and learning strategies

1. Conduct the lecture in a way that allows student participation.
2. Duties related to the style of writing the source.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Participation is a commitment to attend	My eyesight	Definition of scientific research and its elements. What do we mean by scientific thinking?	Explanation of green matter	6	1
sharing	My eyesight	The importance of scientific research in developing societies. The origins of scientific research	Preparing discussions	6	2
Commitment to attend	My eyesight	Specifications of the scientific researcher	Preparing assignments	6	3
sharing	My eyesight	Steps of scientific research. Choosing a title. The basis for choosing it	Explanation of green matter	6	4
sharing	applied	Research Methodology	Preparing applications	6	5
Commitment to attend	My eyesight	Research hypothesis. The basis for choosing the hypothesis	Explanation of green matter	6	6
sharing	My eyesight	Research objective: Things that should be taken into	Explanation of green matter	6	7

		consideration when formulating objectives			
sharing	My vision and my application	Geographical research methods: their definition. Its types	Giving applications	6	8
sharing		=	Explanation of green matter	6	9
sharing. Commitment to attend		discussion	Explanation of green matter	6	10
sharing	My eyesight	Determine the study area	Explanation of green matter	6	11
sharing	applied	The importance of field study and its general foundations	Giving assignments	6	12
Commitment to attend		=	Explanation of green matter	6	13
sharing		discussion	Explanation of green matter	6	14
		a test		6	15
Commitment to attend	applied	Preparing a research plan	Giving applications	6	16
sharing	My eyesight	Geographic study sources	Explanation of green matter	6	17
sharing	Applied and visible	The process of collecting sources and information	Giving assignments	6	18
Commitment to attend		=	Explanation of green matter	6	19
sharing	My eyesight	Natural research and human research	Explanation of green matter	6	20

Share and solve an application	applied	Methods of documenting sources	Giving applications and preparing assignments	6	21
		=	Explanation of green matter	6	22
		discussion	Explanation of green matter	6	23
sharing	My eyesight	the sample	Explanation of green matter	6	24
sharing	applied	Its types and importance	Explanation of green matter	6	25
sharing	My eyesight	Statistics and its geographical applications	Giving applications	6	26
discussion	My eyesight	Discussing research papers	Explanation of green matter	6	27
Commitment to attend	My eyesight	Research evaluation process	Explanation of green matter	6	28
discussion	My eyesight	Scientific honesty	Explanation of green matter	6	29
		a test		6	30

11. Course evaluation

Through a commitment to attend, do assignments, and tests, and prepare reports

12. Learning and teaching resources

nothing

Required textbooks (methodology, if any)

Geographical research methods. In the name of the dear Omar Al-Othman

Geographic research methods. Rabhi Mustafa

Main references (sources)

All of my books related to geographical research are available in the university library	Recommended supporting books and references (scientific journals, reports,)
Published lectures by teachers	Electronic references, websites

Course description form

1. Course Name
theoretical geographic information systems GIS)
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3-30-2024
5. Available attendance forms
Official working hours
6. Number of study hours (total) / number of units (total)
180 hours, 6 hours per week
7. Name of the course administrator (if more than one name is mentioned)
Dr. Nour Al-Huda Jabbar Shanit Email: nooralhuda.jabbar@uobasrah.edu.iq

8. Goals
Definition of a subject information system sensing, TattGeographic information systems, the concept of geographic information systems, the importance of geographic information systems

9. Teaching and learning strategies

Explain the material through discussion with students

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly examinations	Explanation of the material, group discussion, debate and dialogue	Geography and informatics, geographic systems, and systems research	Students acquire the skill and how to deal with mathematical operations. Students acquire the skill and how to deal with mathematical operations	6	1
		Cartography and geographic information systems		6	2
		Geography, GIS, remote sensing, geo-networks and GPS		6	3
		The development of geographic information systems, the concept of geographic information systems, the importance of geographic information systems		6	4
		Advantages of geographic information systems, the relationship of geographic information systems to scientific and technical fields		6	5
		Benefits of geographic information systems, Components of geographic information systems		6	6
		Geographic information systems jobs		6	7
		Data and information sources in geographic information systems		6	8
		Data types in geographic information systems		6	9
		Building a geographical information system		6	10
		Geographic information systems software		6	11

	Geographic information systems applications	6	12
	Geographic information systems theories and building models, subject layers	6	13
	Class content and the idea of spatial representation	6	14
	Spatial representation models in geographic information systems and their theories	6	15
	Geographic data and information	6	16
	Benefits of information	6	17
	Information sources	6	18
	Data in geographic information systems	6	19
	Sources for collecting types of data and information in geographic information systems	6	20
	Database and information in geographic information systems, the concept of data and information	6	21
	Database concept	6	22
	The importance of databases	6	23
	Types of geodatabases	6	24
	Databases in geographic information systems	6	25
	Database patterns in general	6	26
	The basic stages of creating geographic databases	6	27
	Reasons for the success of geographic information systems	6	28
	Reasons to failGeographic information systems	6	29
	Database patterns in general	6	30

11. Course evaluation

By solving assignments, committing to attendance, and tests, and preparing reports.

The grade is divided into 25 marks for the first–semester monthly exam with daily exams, 25 marks for the second–semester monthly exam with daily exams, and 50 marks for the final exams.

12. Learning and teaching resources

nothing	Required textbooks (methodology, if any)
1- Principles of Geographic Information Systems, Dr. Muhammad Abdel-Wahab Hassan Al-Asadi. 2- Modern geographical techniques, Dr. Muhammad Abdel-Wahab Hassan Al-Asadi.	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Third stage

Course description form

1. Course Name
Health geography
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance time
6. Number of study hours (total) / number of units (total)
4
7. Name of the course administrator (if more than one name is mentioned)
Prof. Dr. Amal Saleh Abboud Al-Kaabi Email: amal.abood@uobasrah.edu.iq

8. Goals
Study of the geographical distribution of health and disease phenomena

Study the influence of natural and human geographical factors on the emergence and spread of the disease

Study of health services and their material and human implications

Study of epidemics and their spatiotemporal paths

9. Teaching and learning strategies

Managing the lecture, explaining and clarifying the topics, asking questions to the students and discussing them

Conducting daily and quarterly tests

Assigning scientific activities specific to the course

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Explanation, questions, and discussion	theoretical	General concepts in medical geography	General concepts in medical geography	2	1
=	=	Medical geography data and its sources	Medical geography data and its sources	=	2
=	=	The development of medical geography, its methods and branches	The development of medical geography, its methods and branches	=	3
=	=	The natural environment and its impact on patterns of health and disease	The natural environment and its impact on patterns of health and disease	=	4
=	=	Astronomical and geographical position and topography	Astronomical and geographical position and topography	=	5
=	=	Climate and the effects of its elements	Climate and the effects of its elements	=	6
=	=	Quarterly trendsFor diseases	Quarterly trends in diseases	=	7
=	=	Soil and water	Soil and water	=	8

=	=	The human environment and its impact on patterns of health and disease	The human environment and its impact on patterns of health and disease	=	9
=	=	Subjective factors	Subjective factors	=	10
=	=	Economic and social factors	Economic and social factors	=	11
=	=	Urban environment and environmental pollution	Urban environment and environmental pollution	=	12
=	=	Health care curriculum	Health care curriculum	=	13
=	=	Trip patterns for treatment and accessibility	Trip patterns for treatment and accessibility	=	14
		Exam	Exam		15
=	=	The geographical scope of the pathological phenomenon	The geographical scope of the pathological phenomenon	=	16
=	=	Cancer diseases	Cancer diseases	=	17
=	=	Geographic factors affecting cancer diseases	Geographic factors affecting cancer diseases	=	18
=	=	Malaria	Malaria	=	19
=	=	Malaria endemic factors	Malaria endemic factors	=	20
=	=	Spread of epidemics	Spread of epidemics	=	21
=	=	Cholera, influenza, Corona	Cholera, influenza, Corona	=	22
=	=	Global health problems	Global health problems	=	23
=	=	Geographic spread of acquired immunodeficiency virus (AIDS)	Geographic spread of acquired immunodeficiency virus (AIDS)	=	24
=	=	Medical geography in the works of Arab doctors	Medical geography in the works of Arab doctors	=	25
=	=	Local applied studies in medical geography	Local applied studies in medical geography	=	26
=	=	Urban environment and environmental pollution	Urban environment and environmental pollution	=	27

=	=	Population composite of anemia and nutritional deficiencies	Population composite of anemia and nutritional deficiencies	=	28
=	=	The effect of urban environment variables on patterns of transmissible diseases	The effect of urban environment variables on patterns of transmissible diseases	=	29
		Exam	Exam		30

11. Course evaluation

Participating students and assigning them to various scientific activities

12. Learning and teaching resources

	Required textbooks (methodology, if any)
Medical geography/diseases of hot environments/epidemics, the historical dimension and variables of geography A. Damal Saleh Al-Kaabi	Main references (sources)
Health Geography / Prof. Dr. Muhammad Khalaf Al-Dulaimi Medical Geography –	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Course description form

1. Course Name:
Field study
2. Course Code:
3. Semester/year:
annual
4. The date this description was prepared:

3/30/2024

5. Available attendance forms:

Attendance time

6. Number of study hours (total) / number of units (total):

120 hours

7. Name of the course administrator (if more than one name is mentioned):

Dr. Haider Ali Jabr Email: haydarajabr204@yahoo.com

8. Goals:

Studying the subject of the field study, its beginnings–Its concept – its goals importance – types

Study the proposals and problems of the field study

Getting to know the tools and data of the field study and the steps of geographical research

Learn about methods of documentation, questionnaires, interviews, observation, and all kinds of samples

Field study of soil, rivers, and climate on the natural side, and the human side, field study of the city

9. Teaching and learning strategies

Managing the lecture by explaining and clarifying the topics, then asking the students questions and discussing them

Conducting daily and quarterly tests, daily questions and discussions

Assigning scientific activities and preparing research and reports related to the course

Conducting natural and human field trips and preparing reports on those trips

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
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Questions, answers, explanations, and discussion	theoretical	It's beginning – its concept	It's beginning – its concept	2	1
=	=	Its goals–Its importance – types	Its goals–Its importance – types	=	2
=	=	Field study proposals– Field study problems	Field study proposals– Field study problems	=	3
=	=	Field study tools	Field study tools	=	4
=	=	Field study data	Field study data	=	5
=	=	=	=	=	6
=	=	The basic steps in geographical research	The basic steps in geographical research	=	7
=	=	Methods of documenting sources	Methods of documenting sources	=	8
=	=	=	=	=	9
=	=	The questionnaire	The questionnaire	==	10
=	=	the interview	the interview	=	11
=	=	Note	Note	=	12
=	=	the sample	the sample	=	13
=	=	Discussing research	Discussing research	=	14
=	=	a test	a test	=	15
=	=	Probability sampling	Probability sampling	=	16
=	=	Non–probability samples	Non–probability samples	=	17
=	=	Map and update its information	Map and update its information	=	18
=	=	=	=	=	19

=	=	The role of modern technologies in field studies	The role of modern technologies in field studies	=	20
=	=	Field study of soil	Field study of soil	=	21
=	=	=	=	=	22
=	=	Studying weather phenomena in the field	Studying weather phenomena in the field	=	23
=	=	=	=	=	24
=	=	Studying rivers in the field	Studying rivers in the field	=	25
=	=	=	=	=	26
=	=	Field study of the city	Field study of the city	=	27
=	=	=	=	=	28
=	=	discussion	discussion	=	29
		a test	a test	=	30

11. Course evaluation:

Participating students and assigning them to various scientific activities

12. Learning and teaching resources

Field study guide / A. Dr. Mudar Khalil Omar	Required textbooks (methodology, if any)
Field study: foundations and applications in human geography / Ahmed Al-Badawi and Muhammad Shariati	Main references (sources)
1-Basics of scientific research / Munther Al-Damen 2-In geographical research methods / Prof. Dr. In the name of Abdul Aziz Al-Othman	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Course description form

1. Course Name
Geography of the Americas
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance time
6. Number of study hours (total) / number of units (total)
Six hours
7. Name of the course administrator (if more than one name is mentioned)
Prof. Hoda Khaled Shaaban Musa Hamad Al-Attiya Email: huda.shaban@uobasrah.edu.iq

8. Goals

Study of the Americas is a comprehensive regional study
Study of natural, human, and economic characteristics

9. Teaching and learning strategies

Managing lectures, explaining and clarifying topics, asking questions to students, discussing them, conducting daily and quarterly tests, and assigning scientific activities specific to the course.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Explanation, questions, and discussion	theoretical	Definition of the Geography of the Americas	Definition of the Geography of the Americas	three	1
=	=	Natural characteristics of the North American continent	Natural characteristics of the North American continent	=	2
=	=	Location and area of the North American continent	Location and area of the North American continent	=	3
=	=	Geological structure of the North American continent	Geological structure of the North American continent	=	4
=	=	Surface sections and terrain features of the North American continent	Surface sections and terrain features of the North American continent	=	5
=	=	Climatic characteristics of the North American continent	Climatic characteristics of the North American continent	=	6

=	=	Climatic regions of the North American continent	Climatic regions of the North American continent	=	7
=	=	Natural plants and plant regions of the North American continent	Natural plants and plant regions of the North American continent	=	8
=	=	Water resources (rivers and lakes) on the North American continent	Water resources (rivers and lakes) on the North American continent	=	9
=	=	Demographic characteristics of the North American continent	Demographic characteristics of the North American continent	=	10
=	=	Agricultural activity in the North American continent	Agricultural activity in the North American continent	=	11
=	=	Forest wealth, fish wealth, and mineral wealth on the North American continent	Forest wealth, fish wealth, and mineral wealth on the North American continent	=	12
=	=	Industrial activity in the North American continent	Industrial activity in the North American continent	=	13
=	=	Transportation in the North American continent	Transportation in the North American continent	=	14
=	=	Regional division of the North American continent	Regional division of the North American continent	=	15

=	=	Natural characteristics of the South American continent	Natural characteristics of the South American continent	=	16
=	=	Location and area of the South American continent	Location and area of the South American continent	=	17
=	=	Geological structure of the South American continent	Geological structure of the South American continent	=	18
=	=	Surface sections and terrain features of the South American continent	Surface sections and terrain features of the South American continent	=	19
=	=	Natural characteristics of the South American continent	Natural characteristics of the South American continent	=	20
=	=	Climatic regions of the South American continent	Climatic regions of the South American continent	=	21
=	=	Natural plants and plant regions of the South American continent	Natural plants and plant regions of the South American continent	=	22
=	=	Water resources (rivers and lakes) on the South American continent	Water resources (rivers and lakes) on the South American continent	=	23
=	=	Demographic characteristics of the South American continent	Demographic characteristics of the South American continent	=	24

=	=	Agricultural activity in the South American continent	Agricultural activity in the South American continent	=	25
=	=	Forest wealth, fish wealth, and mineral wealth on the South American continent	Forest wealth, fish wealth, and mineral wealth on the South American continent	=	26
=	=	Industrial activity in the South American continent	Industrial activity in the South American continent	=	27
=	=	Transportation in the South American continent	Transportation in the South American continent	=	28
=	=	Characteristics of trade in the southern continent	Characteristics of trade in the southern continent	=	29
=	=	Regional division of the South American continent	Regional division of the South American continent	=	30

11. Course evaluation

Participating students and assigning them to various scientific activities

12. Learning and teaching resources

Geography of the Americas / Dr. Azad Muhammad Amin Al-

Naqshbandi

Geography of continents / Dr. Muhammad Ahmad Uqla Al-Moumani

and Dr. Abdul Ali Al-Khalaf

Required textbooks
(methodology, if any)

Main references (sources)

Recommended supporting
books and references

	(scientific journals, reports,)
	Electronic references, websites

Course description form

1. Course Name
Agriculture geography
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
2024-3-30
5. Available attendance forms
6. Number of study hours (total) / number of units (total)
4/180
7. Name of the course administrator (if more than one name is mentioned)
Dr. Heba Abbas Karim Email: Hiba.Kareem@uobasrah.edu.iq

8. Goals
<ul style="list-style-type: none"> ✓ Learn about the concept of agricultural geography ✓ Identify the elements and phenomena of weather and climate and their impact on agriculture ✓ Classification and production characteristics

✓ Study of population growth and the food problem in the world

9. Teaching and learning strategies

Lectures, illustrations, group learning,

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
	Lecture and discussion	Defining the concept of agricultural geography		3	1
	Lecture and discussion	The emergence of agricultural centers		3	2
	Lecture and discussion	The relationship of agricultural geography to the branches of geography		3	3
	Lecture and discussion	Research methods and other sciences		3	4
	Lecture and discussion	The importance of agricultural geography		3	5
	Lecture and discussion	Factors affecting agricultural production Climatic factors...		3	6
	Lecture and discussion	Factors affecting agricultural production Climatic factors...		3	7
	Lecture and discussion	Factors affecting agricultural production Climatic factors...		3	8
First-semester exam	Lecture and discussion	Factors Affecting Agricultural Production Environmental factors		3	9
	Lecture and discussion	Factors Affecting Agricultural Production Environmental factors		3	10
	Lecture and discussion	Factors Affecting Agricultural Production Environmental factors		3	11

	Lecture and discussion	Factors affecting agricultural production: human factors		3	12
	Lecture and discussion	Factors affecting agricultural production: human factors		3	13
	Lecture and discussion	Factors affecting agricultural production: human factors		3	14
	Lecture and discussion	Production classification		3	15
Second semester exam	Lecture and discussion	Characteristics of agricultural production, patterns of agricultural production		3	16
	Lecture and discussion	Extensive agriculture, mixed agriculture, cooperative farms, labor force		3	17
	Lecture and discussion	Plant division		3	18
	Lecture and discussion	Field crops		3	19
	Lecture and discussion	Tuber crops, industrial crops		3	20
	Lecture and discussion	Fiber crops		3	21
	Lecture and discussion	Stimulant crops, fodder crops		3	22
	Lecture and discussion	Livestock pattern		3	23
	Lecture and discussion	Grazing and its types		3	24
	Lecture and discussion	Animal products		3	25
	Lecture and discussion	Forest resources		3	26
	Lecture and discussion	Forest products		3	27
	Lecture and discussion	The food problem in the world		3	28
	Lecture and discussion	Population growth in the world		3	29
	Lecture and discussion	Recent developments in the field of food security		3	30

11. Course evaluation	
12. Learning and teaching resources	
Geography of Agriculture, written by Dr. Ali Ahmed Haroun	Required textbooks (methodology, if any)
Agricultural Geography, written by Dr. Hashem Muhammad Saleh	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Course description form

1. Course Name
Population geography
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Official working hours
6. Number of study hours (total) / number of units (total)
6 hours

7. Name of the course administrator (if more than one name is mentioned)

Dr. Hoda Dawoud Najm Al-Saad Email: Huda.najam@uobasrah.edu.iq

8. Goals

- 1- The student's knowledge of the concept of population geography
- 2- Clarifying the relationship between population geography and the rest of the sciences, especially population science (demography)
- 3- Providing the student with the skills to apply population indicators
- 4- Linking population issues to development and human development

9. Teaching and learning strategies

- 1- Managing the lecture in a way that allows student participation and linking the subject's vocabulary to the reality of daily life
- 2- Using mathematical methods to clarify population indicators
- 3- Duties related to solving applications

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
sharing Application solution Commitment to attend	theory	Population geography concept and origin	Explanation of the theoretical material Preparing assignments	3	1
sharing	theory	Population geographic trends	Preparing discussions	3	2
Application solution	theory	Relationships between population geography and other sciences	Explaining relationships and their concept	3	3

Commitment to attend	theory	Population data sources	Explanation of the theoretical material	3	4
sharing	Applied	Geographic distribution of population, factors, and measures	Explanation of the theoretical material Preparing assignments	3	5
Application solution	Applied	Statistical methods used to study distribution	Preparing applications and giving assignments	3	6
Commitment to attend		Population growth	Preparing discussions	3	7
sharing	Applied	Population growth measures	Explanation of the theoretical material Preparing assignments	3	8
Application solution	theory	Elements of population growth	Explanation of the theoretical material	3	9
Commitment to attend	theory	Factors affecting fertility	Explanation of the theoretical material	3	10
sharing	Applied	Mortality, its concept, and methods of measuring it	Preparing applications and giving assignments	3	11
Application solution	theory	Causes of death	Explanation of the theoretical material	3	12
Commitment to attend	theory	Migration and population movements	Explaining relationships and their concept	3	13
sharing	theory	Migration theories	Explanation of the theoretical material	3	14
Application solution	Applied	Population composition and characteristics	Preparing applications and giving assignments	3	15

a test					
Commitment to attend	Applied	Indicators of the age structure of the population	Preparing applications and giving assignments	3	16
sharing	Applied	Qualitative composition and characteristics	Preparing applications and giving assignments	3	17
Application solution	theory	Population and development	Explaining relationships and their concept	3	18
Commitment to attend	theory	Stages of development	Explanation of the theoretical material	3	19
sharing	theory	Sustainable development patterns	Explaining relationships and their concept	3	20
Application solution	theory	Sustainable development indicators	Explanation of the theoretical material	3	21
Commitment to attend	theory	Social development standards	Explaining relationships and their concept	3	22
sharing	theory	Environmental standards	Explanation of the theoretical material	3	23
Application solution	theory	Development guide	Explaining relationships and their concept	3	24
Commitment to attend	theory	Population policy	Explanation of the theoretical material	3	25
sharing Commitment to attend	theory	The concept of population policy	Explaining relationships and their concept	3	26
sharing Commitment to attend	theory	Types of population policy and its goals	Explanation of the theoretical material	3	27

sharing Commitment to attend	theory	Population policy areas	Explaining relationships and their concept	3	28
sharing Commitment to attend	theory	Factors influencing policy	Explanation of the theoretical material	3	29
sharing Application solution Commitment to attend a test	theory	Patterns of population policy in the Arab world	Explanation of the theoretical material	3	30

11. Course evaluation

By solving exercises and assignments, committing to attendance, tests and preparing reports

12. Learning and teaching resources

nothing	Required textbooks (methodology, if any)
1- Lectures prepared by the lecturer 2- Population Geography Foundations and Applications book / Dr. Bassem Abdel Aziz and Dr. Adnan Anad 2020 3- Population book: concepts, methods, and applications / Rashoud bin Muhammad Al-Kharif 2003	Main references (sources)
All population geography books available in university libraries	Recommended supporting books and references (scientific journals, reports,)
The lectures are published on the teaching website, the teaching portal	Electronic references, websites



Course description form

1. Course Name
Geography of energy and minerals
2. Course Code
3. Semester/year
System annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance
6. Number of study hours (total) / number of units (total)
60 hours / 2 hours per week
7. Name of the course administrator (if more than one name is mentioned)
Prof. Rashid Abdel Rashid Email: rashed.abd@uobasrah.edu.iq

8. Goals

Informing students about the types of traditional and renewable energy sources in terms of the human and natural geographical factors affecting their investment, production, and consumption, theories explaining their existence and origin, geographical distribution and international trade, and the most important problems of energy sources as well as the structure of their consumption.

9. Teaching and learning strategies

Developing students' skills to familiarize themselves with the types of traditional and renewable energy sources in terms of the human and natural geographical factors affecting their investment, production, and consumption, theories explaining their existence and origin, geographical distribution and international trade, and the most important problems of energy sources as well as the structure of their consumption.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
The first semester is 25 marks, the second semester is 25 marks, and the final exam is fifty (50) marks	Giving lectures and questioning students	The concept of energy, its methods and classification	1-Developing the student's abilities. 2- Identify research methods in energy geography. 3- Determine energy consumption and production standards. 4- Being able to prepare research related to energy sources.	2	1
		Natural factors affecting the investment of energy sources		2	2
		Human factors affecting the investment of energy sources		2	3

		The importance of the source of coal and its types	2	4
		Geographic distribution of coal production and reserves	2	5
		Global coal trade	2	6
		The concept of oil and its importance	2	7
		Theories explaining the origin of oil	2	8
		Stages and controls of oil formation	2	9
		Types of oil reservoirs and oil migration	2	10
		Geographical distribution of global oil reserves and production	2	11
		Characteristics of Arabian oil	2	12
		World oil trade	2	13
		The importance of natural gas and its types	2	14
		Storage and transportation of natural gas	2	15
		Natural gas reserves and production	2	16
		Geographical distribution of natural gas fields	2	17
		Global natural gas trade	2	18
		Nuclear energy: its advantages, disadvantages, and production	2	19
		The concept, advantages, and disadvantages of renewable energies	2	20
		Hydropower	2	21
		Wind Energy	2	22

	Earth's geothermal energy	2	23
	solar energy	2	24
	Bioenergy	2	25
	Tidal Energy	2	26
	Wave energy	2	27
	Waste energy	2	28
	The importance and characteristics of mineral wealth	2	29
	International conflict and competition over energy sources	2	30

11. Course evaluation

100 marks: 25 for the first semester, 25 for the second semester, and 50 for the final exam

12. Learning and teaching resources

Geography of Energy and Minerals – First Edition 2018 Dr. KazM Abdul Wahab Al-Asadi, Dr. Rashid Abdul Rashid	Required textbooks (methodology, if any)
Oil and energy–Abdel Moneim Abdel Wahab 1980	Main references (sources)
Arab Oil Magazine Gulf Economic Journal	Recommended supporting books and references (scientific journals, reports,)
BP annual report	Electronic references, websites



Course description form

1. Course Name
Geography of cities and rural settlement
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance
6. Number of study hours (total) / number of units (total)
90, (6) weekly
7. Name of the course administrator (if more than one name is mentioned)
Prof. Dr. Adel Abdel-AmiRAbboud Khalifa Email: adelabdulameer9@gmail.com

8. Goals

The course aims to study the geography of cities and rural settlement by clarifying the concept of the city and the countryside and their origins, studying research methods, intellectual trends, and the foundations of the distinction between the countryside and the city, in addition to studying the classification of cities, theories of internal structure, land uses, sizes of cities, and the characteristics of their residents, as well as studying the basic and non-basic urban economy and the regional relations between them. The city and its region, not to mention the study of rural settlement patterns, the functional classification of rural settlement, and integrated rural development.

9. Teaching and learning strategies

The logical analysis becomes familiar with Problems in the City and the countryside through understanding and cognitive acquisition to find effective solutions

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Theoretical and written test	Lecture + discussion	City concept	Understanding and acquiring information	6	1
Theoretical and written test	Lecture + discussion	The emergence and development of the city	Understanding and acquiring information	6	2
Theoretical and written test	Lecture + discussion	Geography of cities (the importance of the study, research methods, objectives, intellectual trends)	Understanding and acquiring information	6	3
Theoretical and written test	Lecture + discussion	The foundations of the distinction between city and village	Understanding and acquiring information	6	4
Theoretical and written test	Lecture + discussion	Urbanization and urbanism	Understanding and acquiring information	6	5
Theoretical and written test	Lecture + discussion	Classification of cities (spatial, structural, and qualitative classification)	Understanding and acquiring information	6	6
Theoretical and written test	Lecture + discussion	Hierarchical, historical, and functional classification	Understanding and acquiring information	6	7
Theoretical and written test	Lecture + discussion	Theories of the internal structure of the city (concentric circle theory)	Understanding and acquiring information	6	8
Theoretical and written test	Lecture + discussion	Sector Theory	Understanding and acquiring information	6	9

Theoretical written test	and	Lecture discussion	+	The theory of multiple nuclei	Understanding and acquiring information	6	10
Theoretical written test	and	Lecture discussion	+	Forces and factors affecting the internal structure of the city	Understanding and acquiring information	6	11
Theoretical written test	and	Lecture discussion	+	Land use within cities (residential use)	Understanding and acquiring information	6	12
Theoretical written test	and	Lecture discussion	+	Commercial use	Understanding and acquiring information	6	13
Theoretical written test	and	Lecture discussion	+	Industrial use	Understanding and acquiring information	6	14
Theoretical written test	and	Lecture discussion	+	Usage: My service	Understanding and acquiring information	6	15
Theoretical written test	and	Lecture discussion	+	Transportation use	Understanding and acquiring information	6	16
Theoretical written test	and	Lecture discussion	+	Sizes and ranks of cities (Characteristics of city sizes)	Understanding and acquiring information	6	17
Theoretical written test	and	Lecture discussion	+	Spatial interaction	Understanding and acquiring information	6	18
Theoretical written test	and	Lecture discussion	+	Characteristics of urban residents (Population growth and distribution)	Understanding and acquiring information	6	19
Theoretical written test	and	Lecture discussion	+	Population composition	Understanding and acquiring information	6	20
Theoretical written test	and	Lecture discussion	+	City morphology	Understanding and acquiring information	6	21
Theoretical written test	and	Lecture discussion	+	Basic urban economics	Understanding and acquiring information	6	22
Theoretical written test	and	Lecture discussion	+	Non-core urban economy	Understanding and acquiring information	6	23
Theoretical written test	and	Lecture discussion	+	Methods of measuring economic activities	Understanding and acquiring information	6	24

Theoretical and written test	Lecture + discussion	Urban economic theories	Understanding and acquiring information	6	25
Theoretical and written test	Lecture + discussion	City territory	Understanding and acquiring information	6	26
Theoretical and written test	Lecture + discussion	Rural settlement (concept, importance of the study, research methods)	Understanding and acquiring information	6	27
Theoretical and written test	Lecture + discussion	Distribution patterns of rural settlements	Understanding and acquiring information	6	28
Theoretical and written test	Lecture + discussion	Functional classification of rural settlement	Understanding and acquiring information	6	29
Theoretical and written test	Lecture + discussion	Integrated rural development	Understanding and acquiring information	6	30

11. Course evaluation

100 marks for the academic subject, 25 marks for the first semester, 25 marks for the second semester, and 50 marks for the final exam.

12. Learning and teaching resources

Geography of cities and geography of rural settlement	Required textbooks (methodology, if any)
1- Salah Hashem Zagher. Geography of cities, first edition, 2021. 2- Muhammad Arab Al-Moussawi. Geography of Development and Rural Settlement, First Edition, 2022.	Main references (sources)
1- Kayed Othman Abu Sobha, Urban Geography, third edition, 2010. 2- Ali Salem Al-Shawara, Geography of Cities, first edition, 2012. 3- Mr. Khaled Al-Matari, The Geography of Rural Settlement, second edition, 1999	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

The fourth stage

Course description form

1. Course Name
Planning and development
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Attendance
6. Number of study hours (total) / number of units (total)
6
7. Name of the course administrator (if more than one name is mentioned)
Dr. Osama Ismail Othman Email:

8. Goals

The course aims to study regional planning and development, explain their concept, goals, and theories, and the nature of the relationship between geography as a science, planning, and development, and determine the common relationships between them. The subject of regional planning is directly related to the science of geography due to the connection between both of them and the place and the natural and human components it contains. Therefore, it is important to prepare graduates of geography departments in colleges of arts because they are preparing to work as researchers in the relevant state departments.

9. Teaching and learning strategies

The course allows the student to participate in formulating some plans to improve the reality of life in the area he lives, and through it, the extent of the student's understanding of the course and his awareness of its objectives can be demonstrated.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Short tests	Lecture + discussion	Definition of planning	Understand and comprehend the importance of planning and development for building society	2	1
Short tests	Lecture + discussion	Schematic concepts	Understand and comprehend the importance of planning and development for building society	2	2
Short tests	Lecture + discussion	Basic principles of planning	Understand and comprehend the importance of planning and development for building society	2	3
Short tests	Lecture + discussion	Planning characteristics and elements	Understand and comprehend the importance of planning and development for building society	2	4
Short tests	Lecture + discussion	Ingredients Planning	Understand and comprehend the importance of planning	2	5

			and development for building society			
Short tests	Lecture discussion	+	Planning steps	Understand and comprehend the importance of planning and development for building society	2	6
Short tests	Lecture discussion	+	Planning obstacles	Understand and comprehend the importance of planning and development for building society	2	7
Short tests	Lecture discussion	+	The relationship between geography and regional planning	Understand and comprehend the importance of planning and development for building society	2	8
Short tests	Lecture discussion	+	The relationship between humans and planning	Understand and comprehend the importance of planning and development for building society	2	9
Short tests	Lecture discussion	+	The relationship between geography and regional planning	Understand and comprehend the importance of planning and development for building society	2	10
Short tests	Lecture discussion	+	Spatial planning levels	Understand and comprehend the importance of planning and development for building society	2	11
Short tests	Lecture discussion	+	Time planning levels	Understand and comprehend the importance of planning	2	12

			and development for building society			
Short tests	Lecture discussion	+	Regional planning, its concept, and importance	Understand and comprehend the importance of planning and development for building society	2	13
Short tests	Lecture discussion	+	Regional planning objectives	Understand and comprehend the importance of planning and development for building society	2	14
Short tests	Lecture discussion	+	Regional planning resources	Understand and comprehend the importance of planning and development for building society	2	15
Short tests	Lecture discussion	+	Theories in regional planning	Understand and comprehend the importance of planning and development for building society	2	16
Short tests	Lecture discussion	+	The poles of growth theory	Understand and comprehend the importance of planning and development for building society	2	17
Short tests	Lecture discussion	+	Economic basis theory	Understand and comprehend the importance of planning and development for building society	2	18
Short tests	Lecture discussion	+	Central locations theory	Understand and comprehend the importance of planning	2	19

			and development for building society			
Short tests	Lecture discussion	+	Gravity theory	Understand and comprehend the importance of planning and development for building society	2	20
Short tests	Lecture discussion	+	The concept of development and the chronological development of the concept of development	Understand and comprehend the importance of planning and development for building society	2	21
Short tests	Lecture discussion	+	Development elements and their obstacles	Understand and comprehend the importance of planning and development for building society	2	22
Short tests	Lecture discussion	+	Geography and development	Understand and comprehend the importance of planning and development for building society	2	23
Short tests	Lecture discussion	+	The concept of human development and its goals	Understand and comprehend the importance of planning and development for building society	2	24
Short tests	Lecture discussion	+	Human development metrics Average age, education level, standard of living	Understand and comprehend the importance of planning and development for building society	2	25
Short tests	Lecture discussion	+	Standards of the quality of human life in the region	Understand and comprehend the importance of planning	2	26

			and development for building society		
Short tests	Lecture + discussion	Standards of the quality of human life in the region	Understand and comprehend the importance of planning and development for building society	2	27
Short tests	Lecture + discussion	Geography, planning and development trilogy	Understand and comprehend the importance of planning and development for building society	2	28
Short tests	Lecture + discussion	Geography, regional problems, and spatial inequality	Understand and comprehend the importance of planning and development for building society	2	29
Short tests	Lecture + discussion	Areas of use of geographical techniques in development	Understand and comprehend the importance of planning and development for building society	2	30

11. Course evaluation

12. Learning and teaching resources

Regional Planning: Theory and Application Orientation, Saadi Muhammad Saleh Al-Saadi, House of Wisdom, Baghdad, 1989	Required textbooks (methodology, if any)
<ul style="list-style-type: none"> 1- PlanningRegional, Muhammad Jassim Al-Ani 2- EntranceUrban planning andRegionalMuhammad Saleh Abdul Qader 3- Readings in planning regional geographical point of view, Salah Behairy 	Main references (sources)

Regional Planning, Fouad Muhammad Al-Saqqar Geography is the pillar of planning, Salah al-Din al-Shami	Recommended supporting books and references (scientific journals, reports,)
-	Electronic references, websites



Course description form

1. Course Name
Life geography
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
3-31-2024
5. Available attendance forms
In-person study halls
6. Number of study hours (total) / number of units (total)
180 hours

7. Name of the course administrator (if more than one name is mentioned)

Dr. Hala Mahmoud Al-Baghdadi Email: halah. shaker @uobasrah.edu.iq

8. Goals

A study of the origin and distribution of plant and animal populations and their adaptation to their biological environment

9. Teaching and learning strategies

Explanation of the material with the use of illustrations, in addition to physical lectures and field trips.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Concepts	theoretical	The nature of life geography	Clarification of the concept	6	1
discussion	theoretical	The importance of studying life geography	discussion	6	2
a dialogue	theoretical	Ecosystem, origin, and concept	discussion	6	3
discussion	theoretical	Biosphere	discussion	6	4
discussion	theoretical	Components of the biosphere, the living and non-living components of the environment	clarification	6	5
discussion	theoretical	Atmosphere	clarification	6	6
General Discussion	theoretical	Dry cover	discussion	6	7
discussion	theoretical	Hydrosphere	discussion	6	8

Questions and discussion	theoretical	The concept of biodiversity and its parts	clarification	6	9
Video lecture	practical	The importance of biodiversity	Questions	6	10
discussion	theoretical	Threats facing biodiversity	clarification	6	11
discussion	theoretical	Measures to protect biodiversity	clarification	6	12
discussion	theoretical	Manifestations of biosphere degradation	clarification	6	13
review	practical	Source of energy in the biosphere	discussion	6	14
a test	theoretical	The food chain in an ecosystem	Questions	6	15
discussion	theoretical	The future of ecosystems	clarification	6	16
Discussion and questions	theoretical	The natural plant and the factors affecting its growth	clarification	6	17
discussion	theoretical	Patterns of the Earth's vegetation, forests (their importance, types, geographical distribution) and their biodiversity	clarification	6	18
Discussion and questions	theoretical	Weeds (types, geographical distribution)	clarification	6	19
discussion	theoretical	Its biodiversity (plant and animal)	clarification	6	20
a test	theoretical	Deserts (types, geographical distribution)	clarification	6	21

Questions and discussion	theoretical	Its biodiversity (plant and animal)	clarification	6	22
Questions and discussion	theoretical	Aquatic environments (types, characteristics)	clarification	6	23
Questions and discussion	theoretical	Its plant biodiversity	clarification	6	24
General Discussion	theoretical	It's animal biodiversity	discussion	6	25
General Discussion	theoretical	Distribution of animals and their spread within the biosphere (factors affecting their distribution)	discussion	6	26
activity	theoretical	Classification of the plant and animal kingdom	clarification	6	27
a test	theoretical	Animal territories (distribution, characteristics)	clarification	6	28
activity	theoretical	The future of ecosystems	discussion	6	29
a test	theoretical	The natural plant and the factors affecting its growth	Questions	6	30

11. Course evaluation

Use daily and quarterly questions, discussions, tests, and posts

12. Learning and teaching resources

Life geography

Required textbooks (methodology, if any)

Contemporary biogeography

Main references (sources)

Scientific and specialized journals	Recommended supporting books and references (scientific journals, reports,)
scientific articles	Electronic references, websites



Course description form

1. Course Name	Geographic thought
2. Course Code	
3. Semester/year	annual
4. The date this description was prepared	3-30-2024
5. Available attendance forms	In-person study halls
6. Number of study hours (total) / number of units (total)	180 hours
7. Name of the course administrator (if more than one name is mentioned)	Dr. Nadia Nouri Ali Email: nadia.ali@uobasrah.edu.iq

8. Goals

The student becomes familiar with the path of geography, its ideas, methods, knowledge, and branches through geographers' works, modern schools, ancient civilizations, and their development from the past to the present.

9. Teaching and learning strategies

In-person lectures, asking questions, opening the door to dialogue and discussion, answering them, reviewing modern sources, following up on their developments, and ways to obtain them.

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Especially about concepts	theoretical	Geographic thought: concept and process	Clarification of the concept	6	1
General questions and discussion	theoretical	Geographical thought in the Mesopotamian civilization	discussion	6	2
general questions	theoretical	Geographical thought in the Nile Valley	discussion	6	3
discussion	theoretical	Phoenician civilization	discussion	6	4
Questions and discussion	theoretical	Greek geographical thought	clarification	6	5
Questions and discussion	theoretical	Roman geographical thought	clarification	6	6
General Discussion	theoretical	Arab-Islamic geographical thought	discussion	6	7
Special discussion for each branch	theoretical	The relationship of geographical thought to the branches of geography	discussion	6	8
Questions and discussion	theoretical	Astronomical and mathematical geography	clarification	6	9

Exam and activity	theoretical	The Earth, its shapes, its surroundings, its movement	Questions	6	10
discussion	theoretical	Geolocation	clarification	6	11
discussion	theoretical	Regional geography	clarification	6	12
discussion	theoretical	Administrative and political regions	clarification	6	13
general questions	theoretical	review	discussion	6	14
Questions	theoretical	First-semester exam	Questions	6	15
discussion	theoretical	Natural Geography	clarification	6	16
Discussion and questions	theoretical	Geomorphological field	clarification	6	17
Discussion and questions	theoretical	Climatic field	clarification	6	18
Discussion and questions	theoretical	Hydrological and biological field	clarification	6	19
General questions and discussion	theoretical	Human geography	clarification	6	20
general questions	theoretical	Urban field	clarification	6	21
Questions and discussion	theoretical	Economic field	clarification	6	22
Questions and discussion	theoretical	Population field	clarification	6	23
Questions and discussion	theoretical	Social field and maps	clarification	6	24
General discussion	theoretical	The problem of the relationship between history and geography and its relationship to geographical thought	discussion	6	25

General Discussion	theoretical	Geographic content	discussion	6	26
Questions and discussion	theoretical	Geographic concepts	clarification	6	27
Questions and discussion	theoretical	Modern geographical schools	clarification	6	28
Questions and activity	theoretical	review	discussion	6	29
Questions	theoretical	Second-semester exam	Questions	6	30

11. Course evaluation

Use daily and quarterly questions, discussions, tests, and posts

12. Learning and teaching resources

Ancient and Islamic geographical thought	Required textbooks (methodology, if any)
The development of modern geographical thought	Main references (sources)
Iraqi and international academic journals	Recommended supporting books and references (scientific journals, reports,)
Articles on ancient and modern geographical thought	Electronic references, websites



Course description form

1. Course Name
Environmental science and its problems
2. Course Code
/
3. Semester/year
annual
4. The date this description was prepared
3/30/2024
5. Available attendance forms
Classroom
6. Number of study hours (total) / number of units (total)
9/6
7. Name of the course administrator (if more than one name is mentioned)
Prof. Dr. Shukri Ibrahim Al-Hassan Email: shukrialhassen@gmail.com Dr. Ibtihal Shaker Majeed

8. Goals
Familiarity with the concepts of ecology, its components, and analysis of global environmental problems
9. Teaching and learning strategies
Logical analysis of problems based on understanding and cognitive acquisition

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Theoretical and written test	Explanation and logical analysis	Chapter on Ecology: Definition of Ecology and its sections	Understanding and acquiring information	9	1
Theoretical and written test	Explanation and logical analysis	A historical overview of the development of ecology	Understanding and acquiring information	9	2
Theoretical and written test	Explanation and logical analysis	Field of ecology	Understanding and acquiring information	9	3
Theoretical and written test	Explanation and logical analysis	Modern research methods in ecology	Understanding and acquiring information	9	4
Theoretical and written test	Explanation and logical analysis	Environmental components	Understanding and acquiring information	9	5
Theoretical and written test	Explanation and logical analysis	The organism's living environment	Understanding and acquiring information	9	6
Theoretical and written test	Explanation and logical analysis	Organisms that transport energy through an ecosystem	Understanding and acquiring information	9	7
Theoretical and written test	Explanation and logical analysis	Energy transmission paths	Understanding and acquiring information	9	8
Theoretical and written test	Explanation and logical analysis	Ecological macrocycles	Understanding and acquiring information	9	9
Theoretical and written test	Explanation and logical analysis	Models of ecological relationships/adaptation	Understanding and acquiring information	9	10
Theoretical and written test	Explanation and logical analysis	Competition	Understanding and acquiring information	9	11

Theoretical and written test	Explanation and logical analysis	Predation	Understanding and acquiring information	9	12
Theoretical and written test	Explanation and logical analysis	parasitism	Understanding and acquiring information	9	13
Theoretical and written test	Explanation and logical analysis	Full review	Understanding and acquiring information	9	14
Theoretical and written test	Explanation and logical analysis	First-semester exam	Understanding and acquiring information	9	15
Theoretical and written test	Explanation and logical analysis	Chapter on global environmental problems: the history of the relationship between man and his environment	Understanding and acquiring information	9	16
Theoretical and written test	Explanation and logical analysis	The concept of the environmental problem	Understanding and acquiring information	9	17
Theoretical and written test	Explanation and logical analysis	The problem of environmental pollution: basics about environmental pollution	Understanding and acquiring information	9	18
Theoretical and written test	Explanation and logical analysis	The problem of environmental pollution: types of pollution, its sources and effects	Understanding and acquiring information	9	19
Theoretical and written test	Explanation and logical analysis	Tropical forest deforestation problem	Understanding and acquiring information	9	20
Theoretical and written test	Explanation and logical analysis	Desertification problem	Understanding and acquiring information	9	21

Theoretical and written test	Explanation and logical analysis	Climate change problem	Understanding and acquiring information	9	22
Theoretical and written test	Explanation and logical analysis	The problem of biodiversity loss	Understanding and acquiring information	9	23
Theoretical and written test	Explanation and logical analysis	The problem of global food security	Understanding and acquiring information	9	24
Theoretical and written test	Explanation and logical analysis	Energy production problem	Understanding and acquiring information	9	25
Theoretical and written test	Explanation and logical analysis	Natural disasters: earthquakes and volcanoes	Understanding and acquiring information	9	26
Theoretical and written test	Explanation and logical analysis	Natural disasters: tropical cyclones and floods	Understanding and acquiring information	9	27
Theoretical and written test	Explanation and logical analysis	Natural disasters: deadly epidemics	Understanding and acquiring information	9	28
Theoretical and written test	Explanation and logical analysis	Full review	Understanding and acquiring information	9	29
Theoretical and written test	Explanation and logical analysis	Second-semester exam	Understanding and acquiring information	9	30

11. Course evaluation

12. Learning and teaching resources

Introduction to environmental science and its problems, written by: Dr. Shukri Al-Hassan, Dar Al-Maaref University Books, Beirut 2019 (2nd edition)	Required textbooks (methodology, if any)
Fundamentals of Ecology, written by: Dr. Hamid Talib Al-Saad and others, Dar Al-Maaref for University Books, Basra, 2021	Main references (sources)
All research related to environmental problems	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites



Course description form

1. Course Name
Geography of water resources
2. Course Code
3. Semester/year
annual
4. The date this description was prepared

10/3/2024

5. Available attendance forms

The presence

6. Number of study hours (total) / number of units (total)

120 total hours and 4 hours per week

7. Name of the course administrator (if more than one name is mentioned)

Dr. Kholoud Kazem Khalaf Email: khlooued.khalaf@uobasrah.edu.iq

8. Goals Study of water resources, their origin, characteristics, problems, and geographical distribution

9. Teaching and learning strategies, how to deliver the material through explanation, and how to use mathematical methods

10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Daily and monthly examinations	Delivering the material through explanation and discussion	The concept of water resources	Students acquire the skill and how to apply data using statistical methods	4	1
		Water forms, conditions, and geographical distribution		4	2
		Chemical properties of water		4	3
		Calibration of chemical analysis results		4	4
		Chemical properties of groundwater and oceans		4	5
		The concept of the hydrological cycle		4	6

	For the geographical distribution of atmospheric precipitation	4	7
	Measuring atmospheric precipitation	4	8
	Evaporation (transpiration)	4	9
	Factors affecting the process of precipitation	4	10
	Surface evaporation measurement	4	11
	leakage	4	12
	Runoff	4	13
	Factors affecting surface runoff	4	14
	For the hydrological situation in Iraq	4	15
	Surface freshwater resources in Basra Governorate	4	16
	Hydrological characteristics of the Shatt al-Arab River	4	17
	Rivers connected to marshes	4	18
	Marshes	4	19
	underground water	4	20
	For water projects in Basra	4	21
	Contemporary water problems in Basra Governorate	4	22
	Shared river basins	4	23
	Exceeding the water quotas set for Basra Governorate	4	24
	The problem of water salinity in Basra Governorate	4	25
	Environmental pollution in the rivers of Basra	4	26
	Depletion of fresh water in Basra Governorate	4	27
	The problem of territorial water boundaries	4	28

		Water in Basra Governorate		4	29
		4 The problem of exceptional spring flood waves		4	30

11. Course evaluation

The grade is divided into 25 marks for a monthly exam in the first semester with daily, 25 marks for a monthly exam in the second semester with daily, and 50 marks for the final exam.

12. Learning and teaching resources

Water Resources, Safaa Abdel Amir, University of Basra, College of Education for Human Sciences 2014	Required textbooks (methodology, if any)
Water resources in Basra and their contemporary problems, Hassan Khalil Al-Mahmoud, University of Basra, Marine Sciences Center, 2019	Main references (sources)
	Recommended supporting books and references (scientific journals, reports,)
	Electronic references, websites

Course description form

1. Course Name
Industry geography
2. Course Code
3. Semester/year
annual
4. The date this description was prepared
30/3/2042

5. Available attendance forms
Attendance
6. Number of study hours (total) / number of units (total)
6
7. Name of the course administrator (if more than one name is mentioned)
Prof. Dr. Hamid Atiya Abdul Hussein Al-Jourani Email: hameed.abdulhassan@uobasrah.edu.iq

8. Goals
- Introducing the student to the geography of the industry, its origins and development 2- Introducing the student to the relationship of industrial geography to other sciences 3- Introducing the student to the geographical components of industrial settlement and the quantitative methods used in the analysis along with the most important theories of industrial settlement
9. Teaching and learning strategies
The course allows the student to contribute to preparing research and studies for factories located in his region, highlighting their developmental role, and developing proposals and solutions to the problems they encounter.

10. Course structure						
Evaluation method	Learning method		Name of the unit or topic	Required learning outcomes	hours	the week
Short tests	Lecture + discussion		Historical development of the industry	Industry, its origins, and development	2	1
Short tests	Lecture + discussion		Industrial classification	industrial classification	2	2
Short tests	Lecture + discussion		The importance of industrial classification	The importance of industrial classification	2	3
Short tests	Lecture + discussion		Types of industries	Types of industries Manufacturing industry, extractive industry	2	4

Short tests	Lecture + discussion	Types of industries	Consumer industry, productive industry	2	5
Short tests	Lecture + discussion	Types of industries	Traditional industry, modern industry	2	6
Short tests	Lecture + discussion	Industrial geography concepts	Industry geography, concepts, and research methods	2	7
Short tests	Lecture + discussion	The relationship of the geography of industry to other sciences	The relationship of the geography of industry to other sciences (economics, statistics, agriculture, transportation, communications, trade)	2	8
Short tests	Lecture + discussion	Components of Industrial Settlement	Geographic components of industrial settlement (fuel, energy, raw materials)	2	9
Short tests	Lecture + discussion	Components of Industrial Settlement	Capital, market, labor	2	10
Short tests	Lecture + discussion	Components of Industrial Settlement	Transportation, geographical location, land, government policy	2	11
Short tests	Lecture + discussion	Theories of Industrial Settlement	Theories of industrial settlement (Van Thünen, Leonhardt's contribution,	2	12
Short tests	Lecture + discussion	Theories of Industrial Settlement	Alfred Weber's theory, Hotlink's contribution, Blinder's theory	2	13
Short tests	Lecture + discussion	Theories of Industrial Settlement	The theory of Edgarhofer, Loesch, quantitative methods in analyzing the components of the structure (industrial environment) of regions	2	14
Short tests	Lecture + discussion	Techniques Quantitative analysis	Some quantitative methods of analysis (industrial location coefficient)	2	15

Short tests	Lecture discussion	+	TechniquesQuantitative analysis	(Industrial concentration factor, distribution columns factor)	2	16
Short tests	Lecture discussion	+	TechniquesQuantitative analysis	Industrial diversity factor and industrial specialization factor	2	17
Short tests	Lecture discussion	+	Contemporary localization patterns of modern industry	Contemporary localization patterns of modern industry (industrial complexes)	2	18
Short tests	Lecture discussion	+	Contemporary localization patterns of modern industry	1-Why does the industry or industrial projects tend to concentrate?	2	19
Short tests	Lecture discussion	+	A geographical analysis of the factors that led to the emergence and development of industrial complexes	A geographical analysis of the factors that led to the emergence and development of local industrial complexes	2	20
Short tests	Lecture discussion	+	Contemporary geographical trends	Contemporary geographical trends in industry development	2	21
Short tests	Lecture discussion	+	Geographic transformations in the industrial world map	Geographic transformations in the industrial map of the world (migration of industries)	2	22
Short tests	Lecture discussion	+	Geographic transformations in the industrial world map	Geographic shifts in the world's industrial map (concentration of industries)	2	23
Short tests	Lecture discussion	+	Geographic transformations in the industrial world map	Analysis of geographical factors in the migration of consumer industries to some Third World countries	2	24
Short tests	Lecture discussion	+	A geographical analysis of industrial settlement processes in industrialized countries	A geographical analysis of industrial localization processes in selected industrial countries (France)	2	25

Short tests	Lecture + discussion	A geographical analysis of industrial settlement processes in industrialized countries	A geographical analysis of industrial localization processes in selected industrial countries (Japan)	2	26
Short tests	Lecture + discussion	Selected applied topics	Selected applied topics on the industrial structure in Basra Governorate The reality of the industrial structure in Basra Governorate rating industries B - Faltering industries	2	27
Short tests	Lecture + discussion	Leading industries	Leading industries (concept and characteristics)	2	28
Short tests	Lecture + discussion	Optimal industrial location	Requirements for selecting the optimal industrial site	2	29
Short tests	Lecture + discussion	Spatial suitability	Spatial suitability in choosing an industrial site project in Basra Governorate	2	30

11. Course evaluation

12. Learning and teaching resources

Muhammad Azhar Al-Sammak, Dr. Abbas Ali Al-Tamimi, Foundations of Industrial Geography and Its Applications, Baghdad, 1987	Required textbooks (methodology, if any)
1-Fuad Muhammad Al-Saqqar, Studies in Geography, Baghdad, 1976 2- Ahmed Habib, Principles of Industrial Geography, Baghdad, 1976 3- Abd Khalil Fadil, Geographical Distribution of Industry in Iraq, Baghdad, 1979. 4- Ahmed Habib, Dr. Abdul Khalil Fadil, Industrial Geography of Iraq, Baghdad, 1989. 5- Hassan Abdel Qader, Introduction to the Geography of Industry, Amman, 1985 6- Abdul Khalil Fadil, Studies in the Geography of Industry, Baghdad, 1989.	Main references (sources)

1- Abdel-Zahra Al-J
and Distribution Hou



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Recommended supporting books
and references (scientific
journals, reports,)

Electronic references, websites