

**Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department**



Academic Program and Course Description Guide

2025

Introduction:

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational proce

Concepts and terminology:

Academic Program Description: The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

Course Description: Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

Program Vision: An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

Program Mission: Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

Program Objectives: They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

Curriculum Structure: All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

Learning Outcomes: A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

Teaching and learning strategies: They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

Academic Program Description Form

University Name: Maysan University

Faculty/Institute: College of Education

Scientific Department: Geography Department

Academic or Professional Program Name: Bachelor of Geography

Final Certificate Name: Bachelor's degree in Geography

Academic System: Annual ...

Description Preparation Date: 10/10/2024

Signature:

Head of Department Name:

Associate Professor.Dr. Rana Sabeeh Aboud

Date:

Signature:

Scientific Associate Name:

Assistant Professor Dr. Hadeel Hisham Abdulameer

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department: . m.mi. sami kitab jasim

Date:

Signature:

Authentication of the Dean

A.M.D. Buraq Talib Shalash

Approval of the Dean

1. Program Vision

The College of Education aspires to be one of the leading higher education institutions within Maysan University in the field of modern education and scientific research, through its scientific, research, and administrative activities. It also strives to provide an integrated path for its students and professors, aiming to develop them into active and creative individuals who serve the community in the fields of teaching and learning modern languages

2. Program Mission

The aim is to prepare and graduate competent and leading scholars in languages, their sciences, and literature, as well as to contribute to the development of knowledge in the field of scientific research to serve the local, regional, and international communities. Additionally, it focuses on training and sharpening the students' minds scientifically and intellectually, emphasizing social and cultural values, and responding to the requirements of the local market

3. Program Objectives

1. Developing specialized geographical professionals capable of understanding environmental issues.
2. Empowering department students to differentiate and analyze geographical phenomena based on spatial relationships.
3. Optimal utilization and understanding of natural resources.
4. Teaching students advanced scientific principles of mapping, spatial distribution of natural and human geographical phenomena, utilizing modern technologies such as Geographic Information Systems (GIS) and remote sensing.
5. Equipping and preparing students as specialized scientific personnel in geography for secondary and middle schools.
6. Enhancing the capabilities of graduate students, improving their scientific and research proficiency, encouraging critical thinking, analysis, and the generation of innovative ideas that serve the community, and assisting in solving relevant environmental problems through the use of modern geographical techniques

Program structure .٤				
* comments	percentage	Study unit	Number of courses	Program structure
				Enterprise requirements
		١٥٨	٥٣	College requirements
		١٥٢	٥٠	Department requirements
			nothing	summer training
				Other

.Notes may include whether the course is core or elective *

Program description .٥					
and units Credit hours			Name of the course or course	Course or course code	level/Year
number of units	practical	theoretical	The first stage	Annual system	٢٠٢٤-٢٠٢٣ The first phase
٣	١	٢			Weather and climate science
٣	١	٢			maps
٤		٢			Geography of Africa and Australia
٣	١	٢			s surface 'Science of Earth shapes
٤		٢			Foundations of education
٤		٢			Educational psychology
٤		٢			History of the ancient Arab world
٢		٢			Human rights and democracy
٣		٢			Computer principles
٤		٢			Arabic

٣		٢			Dry regions
٣		٢			Biogeography
٢		١			English
				Annual system	–٢٠٢٣ The second phase ٢٠٢٤
٣	١	٢			Applied climatology
٣	١	٢			Applied geomorphology
٤		٢			Geography of Eurasia
٤		٢			Population geography
٤		٢			Secondary education and educational administration
٤		٢			Developmental psychology
٤		٢			History of the Islamic Arab State
٣		٢			Geographic techniques
٣		٢			Hydrology
٣		٢			Geography of development and planning
٣		٢			Geography of oil and energy
٣		٢			Thematic cartography
٣		٢			Rural geography
٢		١			English
٢		١			Baath Party crimes
				Annual system	٢٠٢٤–٢٠٢٣ The third phase
٤		٢			Industry geography
٤		٢			Agriculture geography
٤		٢			Geography of cities
٣		٢			Geography of natural resources
٤		٢			Geography of the Americas
٤		٢			Counseling and mental health
٣		٢			Geostatistics
٤		٢			Curricula and teaching methods

٤		٢			The history of Iraq and the modern Arab world
٣		٢			Geography of tourism
٣		٢			Detailed climatology
٣		٢			Soil geography
٣		٢			Geographical research methods
٢		١			English
				Annual system	-٢٠٢٢ The fourth phase ٢٠٢٤
٤		٢			Geography of Iraq
٤		٢			Political geography
٤		٢			Geography of the Arab world
٤		٢			Geography of transport and international trade
٤		٢			Geographic thought
٢		٢			View and apply
٣		٢			Geographic information systems
٢		٢			Graduation research
٤		٢			Measurement and evaluation
٣		٢			Environment and pollution
٣		٢			Social geography
٣		٢			Geography of services
٣		٢			Geography of seas and oceans
٢		١			English

Expected learning outcomes of the programme ^

That the student is able to become familiar with - ١
both its natural and the branches of geography
and to link its relationship with human branches
other sciences
The student should be able to convey -٢

Cognitive objectives

geographic information to the recipient in a better scientific manner and in a concise manner without .going into detail	
Skills	
:Discussion :First Providing students with opportunities to practice – ١ thinking independently to gain experience according to their own methods and preparations Developing the ability to remember according to – ٢ .the academic subject for a longer period s with the opportunity to Providing student – ٣ express what is on their minds and giving them multiple opportunities to discuss and interact with which contributes to the optimal .their peers ،cognitively ،formation of the student's personality and skillfully ،emotionally Ask questions :ondSec Its goal is to raise the level of students' – ١ .motivation and make them accept learning Achieving a high level of excellence and – ٢ .competition with others in educational situations	Class discussion and asking questions
Identify and distribute natural and human .phenomena	Use maps
Value	
Developing students' abilities to share ideas	
including scientific ،and scientific matters s thoughts regarding life'Disclosing one . subjects	

Teaching and learning strategies- ٩
Using approved educational strategies and methods in implementing programs in – ١ .general The use of teaching and learning strategies adopted in implementing the program in – ٢ general are the strategies used by the faculty member to develop the student's ،and they are plans that are followed to reach the learning goals ،earning and teachingI

they describe all curricular and extracurricular activities to achieve the learning ,that is
 .outcomes of the program
 .Interrogation method – Discussion method – Brainstorming :Strategies used

Evaluation methods – ١٠

.Weekly and monthly exams and the end of the year exam

education institution – ١١

Faculty members

Preparing the teaching staff		Special skills /requirements (if any)		Specialization		Scientific rank
lecturer	angel			private	general	
experienced				agricultural /Human geography	geography	.Dr .Mr Kazem Abadi Hammadi
	Teaching			soil geography/Physical	geography	.Dr .Mr Kazem Shanta Saad
	Teaching			political/Human	geography	.Dr .Mr Hashem Kazem Subaihi
	Teaching			political/Human	geography	.Dr .Mr Duha Laibi Kazem
	Teaching			population/Human	geography	.D.M.A Dalia –Abdul Jabbar

						Shenaishil
	Teaching			climatic–Hydro/Natural	geography	.D.M.A Rafid Saleh Mahdi
	Teaching			geography of /Human transportation	geography	.D.M Hadeel Hisham Abdel Amir
	Teaching			geomorphological/Natural	geography	Hind .D.M Tariq Majeed
	Teaching			industrial/Human	geography	.Mother The conclusion of Thajil Shamkhi
	Teaching			Geographic /Human Information Systems	geography	Mortada .M Sarhan Awad
	Teaching			cities/Humanity	geography	.M Tahseen Ali Haman
	Teaching			cities/Humanity	geography	.millimeter Falah Driul Gami
	Teaching			transportation/Human	geography	.millimeter Wijdan Farhan Majeed
	Teaching			agricultural/Human	geography	.millimeter

						Sarah Khamas Jabr
	Teaching			water resources/Natural	geography	.millimeter Zahraa Shaker Abboud
	Teaching			climate/Natural	geography	.millimeter Sarah Sadiq Abdel Sada
	Teaching			water resources/Natural	geography	.millimeter Mona Muhammad Musa

Professional development
Orienting new faculty members
Urging new teachers to complete teaching requirements by participating in the teaching and working to participate in ,passing the teaching suitability test ,methods course ntal as well as developme ,courses that familiarize teachers with rights and legal duties Urging teachers to complete scientific research .courses in modern teaching strategies .that is published in the Clarfit and Scopus archives
Professional development for faculty members
Directing faculty members to keep pace with cognitive development at the level of as well as .teaching strategies by activating the interactive aspect in presenting lectures ic presenting discussion sessions within a schedule implemented throughout the academ as well as emphasizing the provision of scientific seminars at the university and ,year To .while participating in scientific conferences at the university and outside it ,outside it .ific librariescomplete scientific research that is published in international scient

Acceptance standard – ١٢

Approval of admission requirements for students in accordance with the instructions of – ١

.(central admission)the Ministry of Higher Education and Scientific Research

.The student must pass the personal interview– ٢

.Must be fit for medical examination– ٣

.General high school average– ٤

.Absorptive capacity of the department and college– ٥

. Preparatory school certificate –٦

The most important sources of information about the program – ١٣

sources and references – professors' lectures – The university's website
.allocated to the courses

The most important sources of information about the program – ١٤

Developing educational programs in line with and developing the labor –١
.market

Developing students cognitively to participate in authorship and translation –٢
.inside and outside the country

Providing the necessary environment for professors to process and develop –٣
.cognitively and academically ,the educational program

ionship between the Geography Department and other scientific The relat –٤
.as well as universities inside and outside the country ,departments

skills chart Program

Learning outcomes required from the programme															
Value						Skills				Knowledge		Essential or optional	Course Name	Course Code	level/Year
٤C	٣C	٢C	١C	٤B	٣B	٢B	١B	٤A	٣A	٢A	١A				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Weather and climate science		The first stage
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Mapping and remote sensing		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of Africa and Australia		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Earth's surface shapes		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Foundations of education		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Educational psychology		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	History of the ancient Arab world		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Human rights and democracy		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Computer principles		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Arabic		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Regions		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Biogeography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	English		

✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Applied climatology		ond The sec phase
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Applied geomorphology		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of Eurasia		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Population geography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Secondary education and educational administration		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Developmental psychology		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	History of the Islamic Arab state		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphic techniquesGeogr		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	logyHydro		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of development and planning		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of oil and energy		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Thematic cartography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Rural geography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	English		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Industry geography		third level

✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	re geographyAgricultu		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphy of citiesGeogr		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of natural resources		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of the Americas		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Counseling and mental health		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geostatistics		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Curricula and teaching methods		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	The history of Iraq and the modern Arab world		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphy of tourismGeogr		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	led climatologyDetai		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Soil geography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geographical research methods		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	English		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of Iraq		The fourth stage
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Political geography		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphy of the Arab Geogr		

													world		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphy of transport Geogr and international trade		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geographic thought		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	View and apply		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geographic information systems		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Graduation research		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Measurement and evaluation		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Environment and pollution		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	I geographySocia		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	aphy of servicesGeogr		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	Geography of seas and oceans		
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Basic	English		

Please check the boxes corresponding to the individual learning outcomes from the program subject to evaluation



Course Description Form

1. Course Name: geography of dry regions					
2. Course Code: -					
3. Semester / Year: 2024-2025					
4. Description Preparation Date: ٢٠٢٤/٥/٩					
5. Available Attendance Forms: My presence only					
6. Number of Credit Hours (Total) / Number of Units (Total) : 60\2					
7. Course administrator's name (mention all, if more than one name)					
Name: Hind Tariq Majeed					
Email: imdalea6@gmail.com					
8. Course Objectives					
Course Objectives	١ – Raising the scientific and intellectual level of students through knowledge and understanding of the natural and applied aspects of studying dry regions. ٢ – Developing students' skills and experience in the natural and human aspects of dry regions				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative learning strategies 2- Brainstorming strategy 3- Discussion strategy				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first			The importance and concepts of dry regions		
the second			The cadastral extension of the		

			regions		
the third			Population centers and their resources		
the fourth			Drought and dry regions		
Fifth		Building graduates intellectually He is knowledgeable and knowledgeable about natural and human phenomena And understand their spatial relationship	Causes of dehydration	Explanation of the scientific material By reading Geographic applications On the reality of the regions	Weekly exams Monthly and editorial And an exam End of year
sixth			The importance of climate in dry regions		
Seventh			Climatic characteristics of dry regions		
The eight			weather changes		
Ninth			Dryland geomorphology		
The tenth			Geomorphological problems and dangers		
eleven			The diversity of desert land surface forms		
twelve			Land forms prevailing in dry regions		
Thirteenth			Geomorphological processes prevailing in dry regions		
fourteenth			Vital land surface covers in dry regions		
Fifteenth			Vegetation		
sixteen			The importance of plant water resources		
seventeen			Water resources in dry regions		
eighteen			Environmental problems and dangers in dry regions		
nineteenth			Desertification - drought - floods		
The twentieth			Dust storms in dry regions		
Twenty-one			Landslides		
twenty two			Environmental pollution		
twenty three			agricultural		

		resources		
twenty four		Industrial production		
Twenty five		Industry conditions in dry regions		
twenty-six		Industry components		
Twenty seven		Diversity and availability of raw materials and energy sources		
Twenty-eighth		The dominant industries in drylands		
Twenty nine		Discussing students' research in the subject		
thirty		Discussing students' research in the subject		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc
The distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 degrees

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1. Hassan Ramadan Salama, The Dry Regions, First, Dar Al-Masirah for Publishing, Distribution and Printing, Amman - Jordan, 2010. 2-Jawda Fathi Al-Turkmani, Mahmoud Abdel Fattah Anbar, Land Geography Al-Jafah, 1st edition, Arab Culture House, Cairo, 2017.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:	
Biogeography	
2. Course Code:	
3. Semester / Year:	
Annual	
4. Description Preparation Date:	
٢٧/9/2024	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: The teacher. "Tahseen Ali Haman." Email: Haman4097@gmail.com	
8. Course Objectives	
Course Objectives	1– Documenting the student's ability to understand biogeography. 2– Introducing the student to biogeography and its applications in geography. 3– Familiarizing the student with biogeography and creating an integrated strategy for its analysis. 4– Enhancing the student's ability to apply biogeography. 5– Developing the student's skills in spatial analysis methods in biogeography 6– Equipping specialists in the field of biogeography and its applications through a comprehensive scientific curriculum that combines theoretical and practical aspects according to the actual needs of the job market
9. Teaching and Learning Strategies	
Strategy	Interactive lectures between students and the professor can be conducted distributing the complete course material in a printed format, divided into weekly lectures starting from the beginning of the academic year. The topics can be discussed between students and the professor, and a set of questions can be provided in each lecture, formulated to represent the objectives of the lecture material. The answers can be discussed with the students. Additionally, previous studies related to biogeography can be presented. Furthermore, students can be assigned to prepare reports on social geography and its problems by dividing them into groups to conduct research and discuss their findings
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and cognitively to fully comprehend and grasp the elements that integrate production and its inputs	- Importance of Biogeography: - Branches of Biogeography: - Ecological Biogeography: - Historical Biogeography: - Island Biogeography: - Relationship with Other Sciences: - Human Geography: - Human Life: - Natural Factors Affecting Human Life: - Human Factors: - Animal Biogeography: - Nature of Life: - Factors Affecting their Livelihoods: - Plant Biogeography: - Vacation: - National Parks: - Natural Reserves: - Types of Protected Areas: - Marine Protected Areas: - Ecosystem: - Green Belts: - Impact of Biogeography on Humans: - Impact on Human Life: - Discussion of Subject Research: - Discussion of Research	The study includes examining the concepts and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real-life context, and conducting appropriate assessments to measure student progress.	
2	2				
3	2				
4	2				
5	2				
6	2				
7	2				
8	2				
9	2				
10	2				
11	2				
12	2				
13	2				
14	2				
15	2				
عطلة	2				
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30	2				
11. Course Evaluation					
The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.					
12. Learning and Teaching Resources					

Required textbooks (curricular books, if any)	Fundamentals of Ecological Biogeography: Essam Abbas Babiker Karar 2015
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Geography of Africa and Australia	
2. Course Code:	
3. Semester / Year: yearly/ 2024-2025	
5. Available Attendance Forms: My presence only	
6. Number of Credit Hours (Total) / Number of Units (Total): ٣/٦٠	
7. Course administrator's name (mention all, if more than one name)	
Name: M.M. Sarah Khamas Jabr	
Email: sarahkhamas@gmail.com	
8. Course Objectives	
Course Objectives	1- Introducing students to the geographical location of the continents of Africa and Australia 2- Introducing students to the natural characteristics of the two continents 3- Acquainting students with the various geographical regions in the continents of Africa and Australia 4- Introducing students to the characteristics of the population, the origins of peoples, and different ethnic, linguistic, and cultural characteristics on the two continents. 5- Enabling students to learn about the size of the population, its distribution, and its activities on the two continents
9. Teaching and Learning Strategies	
Strategy	Interactive lectures between the students and the professor distributing the material in full, printed form and divided into weekly lectures from the beginning of the academic year. Topics are discussed between the students and the professor, and a set of questions are asked at each lecture that are formulated in a way that represents the objectives of the lecture material and the answers are discussed with the students, as well as Presenting previous studies related to the geography of Africa and Australia, as well as assigning students to prepare a report related to the

geography of Africa and Australia, by dividing the students into groups for this purpose.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	٢	Introducing students to the geographical and astronomical location of the African continent The importance of this site	Africa continent website	Lecture and discussion	test
the second the third	٤	Introducing students to the geological structure and geological eras that the continent of Africa as 'passed through well as knowing the surface sections of the African continent	Geological structure and terrain		
fifth-Fourth	٤	Students' knowledge the nature of of climate on the African the factors 'continent and the 'that affect it geographical distribution of climatic regions on the continent	Climate and climatic regions in the continent of Africa		
VI	٢	Students' knowledge on of the types of soils 'the African continent and the geographical distribution of those soils	Soil in the continent of Africa		
Seventh	٢	Knowing the demand for types of natural plants on the continent of Africa and knowing the geographical distribution of the natural regions of plants on the continent of Africa	Natural plant in the continent of Africa		
VIII	٢	Introducing students to the types of water resources on the African continent and the geographical distribution of those resources	Water resources in the of Africa continent	Lecture and discussion	a test
X-IX	٤	Students' knowledge	Economic activity in		

		of the most important economic activities in the continent of Africa	the continent of Africa		
-Eleventh twelfth	٤	Students' knowledge of the origin of the population of the African continent and the human races found on the continent	Population of the continent of Africa	Lecture and discussion	a test
-thirteenth fifteenth	٦	Study Egypt	Study of multiple regions in the continent (Egypt)		
sixteen	٧	Introducing students to the geographical and astronomical location of the continent of Australia and the importance of this as well as the 'location history of exploration of the continent of .Australia	Discovering the continent of Australia onlocati and its Geographic		
seventeenth	٨	Introducing students to the geological structure and geological eras that the continent of Australia passed as well as 'through knowing the surface sections of the .continent of Australia	Geological structure and terrain	Lecture and discussion	test
-Eighteenth nineteenth	٩	Students' knowledge of the nature of climate on the 'continent of Australia the factors that affect and the 'it geographical distribution of climatic regions on the .continent	Climate and climatic ons on the regi Australia continent of		
The twentieth	١٠	Students' knowledge of the types of soils on the continent of and the 'Australia geographical distribution of those soils	Australia Soils in		
one-Twenty	١١	Knowing the demand for types of natural plants on the continent of Australia and knowing the geographical distribution of the	Natural plant on the Australia continent of		

		regions of natural plants on the continent of Australia			
twenty tow	٢	students to Introducing the types of water resources on the continent of Australia and the geographical distribution of those resources	Water resources in Australia		
-Twenty third -Twenty fourth	٤	Students' knowledge of the most important economic activities in continent of the Australia	Economic activity on the continent of Australia	Lecture and discussion	a test
fifth -Twenty -twenty - seventh	٦	Students' knowledge of the origin of the population of the continent of Australia and the human races continent found on the	Population of the Australia continent of		
-Twenty thirty-eighth	٦	Study of the island of Tasmania	Study of multiple regions on the continent	Lecture and discussion	a test

11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

1- Daily attendance (10) marks

2- Discussion among students for the purpose of knowing the extent of students' understanding of the lecture material (10) marks.

3- Daily and monthly oral and written exams (30) marks

Final exam (50) marks

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Ali Musa, Muhammad Al-Hamma Geography of Continents, Dar Al-Fi Damascus, 1997 2-Hossam Gad Al-Rab, New Europe Geography, Assiut University. 3- Abd al-Ilah Razouki Karbal, Yus Muhammad al-Sultan, Abd Ali Hassan Khafaf, Geography of Europe and the Sov Union, University of Basra, 1988.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Science of Earth's surface forms					
2. Course Code: -					
3. Semester / Year: 2024-2025 Annual					
5. Available Attendance Forms: My presence only					
6. Number of Credit Hours (Total) / Number of Units (Total) : ٣/٩٠					
7. Course administrator's name (mention all, if more than one name)					
Name: Hind Tariq Majeed Email: imdalea6@gmail.com					
8. Course Objectives					
Course Objectives	1- Raising the scientific and intellectual level of students through knowledge and understanding of the natural and applied aspects of studying the forms of the Earth's surface. ٢- Qualifying academics and researchers in the fields of studying natural phenomena and understanding the processes affecting the environment through a scientific curriculum that combines theoretical and applied aspects.				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative learning strategies 2- Brainstorming strategy 3- Discussion strategy				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	3		Basic concepts in		

			landforms		
the second	3		Layers of the Earth and their relationship to surface forms		
the third	3		Sedimentary and igneous rocks		
the fourth	3		Metamorphic rocks and the rock cycle in nature		
Fifth	3	Explanation of the scientific material By studying the concept and shapes of the Earth's surface, studying its spatial analysis, and measuring geomorphological phenomena	Seismic activity	Enhancing students' ability in the scientific and cognitive aspects	Weekly exams Monthly and editorial And an exam End of year
sixth	3		Landforms associated with ground movements		
Seventh	3		Volcanic activity and resulting landforms		
The eight	3		The concept of weathering, its types, and the factors controlling it		
Ninth	3		Landforms resulting from weathering		
The tenth	3		The concept of rivers, their functioning and fluvial geomorphological processes		
eleven	3		Erosion, erosion and river sedimentation processes		
twelve	3		Characteristics of the river section according to the concept of William Morris		
Thirteenth	3		Landforms resulting from fluvial geomorphological processes		
fourteenth	3		Landforms resulting from fluvial geomorphological processes		
Fifteenth	3		Erosion, erosion and wind deposition processes		
sixteen	3		Creation of bodies of water		
seventeenth	3		Coast classification		

eighteen	3	Geomorphology of sedimentary coasts		
nineteenth	3	Geomorphology of cliff coasts		
The twentieth	3	The concept of roof slopes, their characteristics and classification		
Twenty-one	3	Movement of materials on the surface of slopes		
twenty two	3	The concept, movement and scope of groundwater		
twenty third	3	Forms resulting from the action of groundwater		
twenty fourth	3	Forms resulting from the action of groundwater		
Twenty five	3	Geomorphological action of ice		
twenty-sixth	3	Ice sculpting processes and resulting landforms		
Twenty seven	3	Ice sculpting operations And the resulting landforms		
Twenty-eighth	3	Glacial deposition processes and resulting landforms		
Twenty nine	3	Discussing subject matter research		
thirty	3	Discussing subject matter research		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

The distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 degrees

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1- Hassan Ramadan Salama, Fundamentals of Geomorphology, 1st edition, Dar Al Masirah, Amman, 2004. 2- Muhammad Sabry Mahsoub, Geomorphology of Landforms, Dar Al-Fikr Al-Arabi, Cairo, 1997.
Recommended books and references (scientific journals, reports...)	1- Hassan Sayed Ahmed Abu Al-Enein, Principles of Geomorphology, 11th edition, University Culture Foundation, 1995.
Electronic References, Websites	

Course description form

١.	Course name : Geography of transportation ,conductors ,and international trade
٢.	Course Code :
٣.	Year/Semester : 2024-2025
٤.	Annual
٥.	Available forms of attendance :
٦.	My presence only
٧.	Number of study hours /(total)number of units :
٨.	60 hours annually 2 hours a week
٩.	Name of the course administrator (if more than one name is mentioned)
١٠.	Name : M. Mortada Sarhan Awad
١١.	Course objectives
١٢.	١ - Raising the intellectual level of graduates and gaining familiarity with a comprehensive perspective on the elements of things ,the links between them ,and the approaches to them ٢ - Completing the building of the recipient's economic mentality by highlighting the complementary elements of the production process and not being limited to its basic elements
١٣.	Teaching and learning strategies
١٤.	١ - collaborative concept planning Education strategy ٢ - brainstorming Teaching strategy the strategy

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Weekly monthly written and exams -of-the end year exam	Explaining the scientific material by reading geographical applications on the real maps of Maysan Governorate -۲ Writing scientific reports based on students' field observations and linking them to the theoretic aspect	Concept maps	-۱	2	1
		Cartography is evolving	Building	2	2
		Old maps	graduate	2	3
		Babylonian maps	s	2	4
		Egyptian maps	intellect	2	5
		Chinese maps	ually and	2	6
		Greek maps	cognitiv	2	7
		European maps	ely to	2	8
		Arab and Islamic maps	gain	2	9
		Schools	familiari	2	10
		The concept of the map and its contents	ty with	2	11
			the	2	12
			element		13
		vacation	s that	2	14
		Falls	combine	2	15
		Its engineering properties	producti	2	16
		Its types	on and	2	17
		appropriate location Choose the	its	2	18
		Types of maps	inputs	2	19
		Map classification		2	20
		Application models		2	21
		Atlases		2	22
		Contourism		2	23
		Its types and methods of drawing		2	24
		Discussing research material		2	25
					26
					27
					28
					29
					30

Course evaluation .١١					
marks for 25 . daily exams for the first semester marks for monthly and 25 ; is as follows Distribution marks for final exams 50 . monthly and daily exams for the second semester					
Learning and teaching resources .١٢					
shem Muhammad Yahya .Principles of cartography Dr			(if any ,methodology)Required textbooks		
Haylush–Muhammad Al – Principles of maps			(sources)Main references		
.Lectures on map geography			Recommended supporting books andreports ,scientific journals)references		
			Internet sites ,Electronic references		

Course description form

.۱ Course name : Geography of transportation ,conductors ,and international trade	
.۲ Course Code :	
.۳ Year/Semester : 2024-2025	
Annual	
.۴	
.۵ Available forms of attendance :	
	My presence only
.۶ Number of study hours / (total)number of units :	
	60 hours annually 2 hours a week
.۷ Name of the course administrator (if more than one name is mentioned)	
	Dr .Prof .Ali ghalis nahi
.۸ Course objectives	
۱ - a familiarity with gaining and level of intellectual graduates raising the links between them ,comprehensive perspective on the elements of things and the approaches to them ۲ - the recipient of building the completing s' highlighting by mentality economic the complementary elements of the production process and not being limited to its basic elements	
.۹ Teaching and learning strategies	
۱ - collaborative concept planning strategy Education ۲ - Teaching strategy brainstorming ۳ - series notes strategy Education	the strategy

Course structure .\۱.					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Weekly monthly written and exams -of-the end . year exam	Explaining the scientific material by reading geographical applications on the reality of transport action in Maysan Governorate in terms of paved roads and their crop lengths -۲ Writing scientific reports based on students' field observations	Recent trends in climate	-۱	2	1
		Gas envelope	Building	2	2
		Solar radiation	graduate	2	3
		temperature	s	2	4
		Atmospheric pressure	intellect	2	5
		Wind	ually and	2	6
		Air masses and fronts	cognitiv	2	7
		Weather depressions	ely to	2	8
			gain	2	9
			familiari	2	10
			ty with	2	11
			the	2	12
		vacation	element	2	13
		Air humidity	s that	2	14
		Humidity meters	combine	2	15
		International classification of clouds	producti	2	16
		Precipitation	on and	2	17
		Evaporation	its	2	18
		Climatic regions	inputs	2	19
		Categories		2	20
				2	21
				2	22
				2	23
				2	24
				2	25
				2	26
				2	27
				2	28
				2	29
				2	30

	ndons a linking them to the theoretic al aspect -٣ Linking theoretic al ideas on the subject of transport ation with practical aspects				
Course evaluation .١١					
marks for 25 , and daily exams for the first semester marks for monthly 25 : is as follows Distribution marks for final exams 50 . monthly and daily exams for the second semester					
Learning and teaching resources .١٢					
.Geography of Transport and International Trade Prof med Hamid Al ,Sammak-Muhammad Azhar Al Muhammad Hashem .Dr .Prof ,Obaidi		(if any ,methodology)Required textbooks			
.Geography of Transport and International Trade Prof Duha Laibi Kazem .Dr .Prof ,Zayadi-Salah Mahdi Al		(sources)Main references			
Lectures on the geography of transport and .international trade		Recommended supporting books andreports ,scientific journals)ces referen			
Reading https://archive.org Article https://www.syr-res.com		Internet sites ,Electronic references			

Course Description Form

1. Course Name:					
Rural Geography					
2. Course Code:					
3. Semester / Year: 2024–2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor Wijdan Farhan Majid					
Email: wajadaan.f.m@uomisan.edu.iq					
8. Course Objectives					
Course Objectives		1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates		The study includes	

			human geography, economic geography, and cultural geography. 8. Rural Population: This refers to the people living in rural areas, including farmers, local communities, and individuals engaged in various rural livelihoods. 9. Urban Expansion into Rural Areas: This phenomenon involves urban development and infrastructure encroaching upon rural areas, resulting in the transformation of rural landscapes. 10. Forms of Urban Expansion in Rural Areas: Urban expansion in rural areas can take various forms, such as the conversion of agricultural land, the establishment of suburban communities, or the development of infrastructure along transportation corridors. 11. Rural Tourism and Recreation and the Relationship with Urban Expansion in Rural Areas: Rural areas often attract tourists and visitors seeking recreational activities, and the development of rural tourism can be influenced by urban expansion and the demand for rural recreational spaces. 12. Holiday: 13. Rural Land Use Planning: This involves the systematic allocation and management of land in rural areas for various purposes, such as agriculture, forestry, residential areas, industrial zones, and conservation. 14. Planning for	
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			Rural Tourism and Recreation: This focuses on the strategic planning and development of tourism and recreation facilities in rural areas to promote sustainable tourism, preserve natural and cultural heritage, and enhance the local economy. 15. Environmental Protection Planning: It involves the formulation of policies and strategies to conserve and protect the natural environment in rural areas, including the preservation of biodiversity, ecosystems, and natural resources. 16. Origin and Development of Rural Settlement: This explores the historical and contemporary processes of rural settlement formation and evolution, including factors influencing location choices and the dynamics of population distribution in rural areas. 17. Patterns of Rural Settlements: This refers to the spatial arrangement and distribution of rural settlements, which can vary from dispersed or scattered patterns to clustered or nucleated patterns. 18. Form and Function of Rural Settlements: The form of rural settlements relates to their physical layout and architectural characteristics, while their function refers to the activities and services provided within the settlements, such as		
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			agriculture, trade, education, and healthcare. 19. Rural Housing and its Characteristics and Classification of Rural Settlements: This involves studying the types and characteristics of residential buildings in rural areas, including traditional housing styles, materials used, and spatial arrangements. Additionally, rural settlements can be classified based on environmental factors and population size. 20. Changes in Rural Social and Economic Structures: This examines the transformations occurring in the social and economic aspects of rural areas, including shifts in employment patterns, agricultural practices, and the diversification of rural economies. 21. Agricultural Land Use and its Changes: This focuses on the utilization of land for agricultural purposes in rural areas, including the types of crops grown, livestock rearing, and changes in farming practices. 22. Changes in Farm Size and Farm Expansion: This examines the changes in the size of agricultural holdings, farms in rural areas, as well as the expansion or contraction of farming areas.		
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11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Geography of the Countryside" by Mazen Abdul Rahman Al-Hiti
Main references (sources)	
Recommended books and references (scientific journals, reports...)	"Lectures on Rural Geography
Electronic References, Websites	"Geography of the Countryside: Concepts and Developments" by Dr. Mohammed Sa'id Abdullah Al-Ghamdi. Reference https://www.researchgate.net/publication "Geography of the Countryside and Rural Development in Arab Countries" by Dr. Ali Hamrani. Reference https://www.alukah.net/Culture/0/4009/

Course Description Form

1. Course Name:	
Applied Climatology.	
2. Course Code:	
3. Semester / Year: 2024–2025	
Annual	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: "Assistant Professor Sarah Sadeq Abdul-Sada.	
Email: sarasadaig@gmail.com	
8. Course Objectives	
Course Objectives	1. Documenting the student's proficiency in Applied Climatology. 2. Introducing the student to Applied Climatology and its geographical applications. 3. Familiarizing the student with Applied Climatology and developing an integrated strategy for its analysis. 4. Enhancing the student's ability in the applications of Applied Climatology. 5. Developing the student's capabilities in spatial analysis methods in Applied Climatology. 6. Equipping specialists in the field of Applied Climatology and its applications through a comprehensive scientific curriculum that combines theoretical and practical aspects according to the actual needs of the job market. 7. Training employees in government, private, and public academic institutions in relevant areas and enhancing their capacities through organizing and delivering training courses in Applied Climatology and its applications. 8. Contributing to the promotion of the use of Applied Climatology

	techniques and remote sensing and their applications for various purposes in different regions
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9. Teaching and Learning Strategies

Strategy	Interactive lectures between students and the professor are conducted distributing the complete course material in printed form, divided into weekly lectures from the beginning of the academic year. The topics are discussed between the students and the professor, and a set of questions is provided each lecture, formulated to represent the lecture objectives. The answers are discussed with the students. Additionally, previous studies related to Applied Climatology are presented. Furthermore, students are assigned to prepare a report on geographical thinkers, with students divided into groups for this purpose
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understanding nature of Applied Climatology and	Applied Climatology: Research Tools	Understanding the nature of Applied	
2	2	nature		Climatology and	
3	2	geographical knowledge.	First: Emergence of Applied Climatology and	the nature of geographical knowledge.	
4	2	Classifying Applied Climatology and	Climate Impact Assessment	Classifying Applied	
5	2	comprehending classifications.	Weather, Climate, and Daily Life	Applied Climatology and	
6	2	Acquiring knowledge of Applied Climatology and	Development of Applied Climatology, Concepts, Applications,	comprehending classifications.	
7	2	presenting phenomena with the framework of Applied Climatology	Atmospheric Hazards, and Quality Climate Impact Assessment	Acquiring knowledge of Applied	
8	2			Climatology and	
9	2			interpreting phenomena with the framework of	
10	2			Applied Climatology	
11	2			understanding.	
12	2		Second: Earth and Remote Sensing Measurements	Understanding the methods and steps in Applied	
13	2		Comparison between Traditional and Modern Climatic Instruments	Climatology.	
14	2		Traditional Climatic Instruments	Recognizing the major developments in	
15	2		The New Generation of Climatic Instruments	geography during	
16	2		Remote Sensing		
17	2		Third: Statistical		
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				

30			Considerations Statistical Significance Analysis of Time Series Spatial Analysis Fourth: Spatial Modeling Climate System Modeling Global Climate Models Climate Impact Models Integrated Assessment Models Evaluation of Climate Models Fifth: Managing Greenhouse Gas Source Issues in Managing Greenhouse Gas Source History of Managing Greenhouse Gas Source Current Approach to Air Quality Issues Integration of Air Issue Sustainable Development and the Greenhouse Gas Envelope Chapter Two: Climate and the Natural Living Environment First: Hydrological Processes and Water Sources Climate and the Aquatic Environment Hydrological Processes Climate Change Impact and Hydrological Response Second: Glacial Processes and Ice Sheet Climate and Glacial Rivers Types of Ice Sheets - Natural and Thermal Characteristics	ancient eras. Understanding the significant intellectual advancements in geography during the medieval and modern periods. Understanding the sources of the greenhouse gases and their importance in climatic impacts. Understanding and comprehending the interaction between climate and water resources. Understanding the impact of climate change on hydrological response. Understanding the influence of climate on soil and the atmospheric envelope of soil. Understanding the impact of climate on urban environments and human comfort.	
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			Ice Sheets - Geographical Range and Climatic Controls Role of Climate in Transforming Snow into Ice Sheets Glacial Mass Balance and Climatic Controls Third: Geomorphological Processes and Landforms Climatic Geomorphology Climate and Geomorphological Processes Climate Change and Landforms Fourth: Soils Soil Atmospheric Envelope of Soil Soil Climate Soil Geography and Climate Soils and the Impact of Greenhouse Gases Fifth: Vegetation Cover Climate and Vegetation Cover Past Geological Plant Communities Current Climate and Vegetation Cover Sixth: Biological Response to Climate Climate and Life Climate Elements Bioclimatic Zones Climate Variability Energy Sources Biogeochemical Adaptation Dynamic Thermal System Stable Thermal System		
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			Chapter Three: Climate and the Human Environment First: Comfort, Clothing and Health Human Adaptation and Microclimate Management Heat Stability and Adaptation Human Energy Balance Estimating Heat Stress Outer Clothing Thermal Comfort Adaptation Weather Effects on Behavior and Performance Weather Effects on Disease and Mortality Second: Urban Planning Architecture, and Construction Climate and the Built Environment Heat and Humid Climates Cold Climates, Polar Regions Other Climates Applications in Urban Planning Third: Industry and Commerce Climate, Industrial Production, and Commercial Activities Industrial Locations Industrial Processes Construction Operation Discussion of Research Topics		
11. Course Evaluation					
Distribution of Grades out of 100 based on Assigned Tasks for Students such as Daily Preparation, Daily and Monthly Exams, Oral and Written Tests, Reports, etc.:					

Daily Attendance (5 marks)
 Student Discussion to assess understanding of lecture material (5 marks)
 Preparation and presentation of reports (10 marks)
 Daily and Monthly Oral and Written Exams (30 marks)
 Final Exam (50 marks).

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Applied Climatology: Ahmed Al-Jubouri, University of Baghdad, First Edition, 2014
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Geography of Oil and Energy.					
2. Course Code:					
3. Semester / Year: 2024-2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Professor Dr. Doha Laibi Al-Sadkhan.					
Email:					
8. Course Objectives					
Course Objectives	Enhancing students' understanding of the role of oil in the global economy. Introducing students to the importance and role of oil and energy in our lives. Familiarizing students with energy and oil organizations, including OPEC and OAPEC				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strategy				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and	Concept of energy. Evolution of energy usage.	The study includes examining the concept and geographic	
2	2				
3	2				

4	2	cognitively to fully comprehend and grasp the elements that integrate production and its inputs	Importance of energy sources.	phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real life context, and conducting appropriate assessments to measure students' progress.
5	2		Geographical characteristics of energy sources.	
6	2		Theories of oil.	
7	2		Geographical factors influencing energy exploitation.	
8	2		Natural and human factors.	
9	2		Technological factors.	
10	2		Oil fields and their distribution.	
11	2		Oil reserves.	
12	2		Break.	
13	2		Classification of energy sources.	
14	2		Geographical distribution of energy sources.	
15	2		Issues arising from energy use.	
Holiday	2		Oil extraction.	
17	2		Future of oil investment and production.	
18	2		Energy conservation and preservation.	
19	2		Regional and international conflicts and competition.	
20	2		Significance of oil in the global economy.	
21	2		International and regional agreements and treaties.	
22	2		Discussion of research topics.	
23	2			
24	2			
25	2			
26	2			
27	2			
28	2			
29	2			
30	2			

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books and any)	
Main references (sources)	Al-Shammari, Emad, Doha Al-Sadkhan, Geography of Oil and Gas, 1st edition, Ibn Al-Nafis Publishing House, Jordan - Amman, 2020. Abdulwahab, Abdelmoneim, et al., Geography of Oil and Energy, Dar Al-Nahda Al-Arabiya, 1998.

	Rashid, Mahdi Ahmed, Geography of Oil and Energy, 1 st edition, Dar Al-Janadriyah for Publishing, Printing, and Distribution, Alexandria, 2015.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Applied geomorphology					
2. Course Code: -					
3. Semester / Year: 2024–2025 annual					
5. Available Attendance Forms: My presence only					
6. Number of Credit Hours (Total) / Number of Units (Total) : ۳/۹۰					
7. Course administrator's name (mention all, if more than one name)					
Name: Hind Tariq Majeed Email: imdalea6@gmail.com					
8. Course Objectives					
Course Objectives	1– Raising the scientific and intellectual level of students through knowledge and understanding of the natural and applied aspects of studying the forms of the Earth's surface. ۲– Qualifying academics and researchers in the fields of studying natural phenomena and understanding the processes affecting the environment through a scientific curriculum that combines theoretical and applied aspects.				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative learning strategies 2- Brainstorming strategy 3- Discussion strategy				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	3	Enhancing	The concept of applied	Explanation of	Weekly

		students' ability in the scientific and cognitive aspects	geomorphology and the stages of its development	the scientific material By studying the concept and shapes of the Earth's surface, studying its spatial analysis, and measuring geomorphological phenomena	exams Monthly and editorial And an exam End of year
the second	3		Its relationship with other sciences and the modern foundations of applied geomorphology		
the third	3		Principles of field work and field and laboratory geomorphological measuring devices		
the fourth	3		The concept of soil - its physical properties		
Fifth	3		Soil chemical properties and classification		
sixth	3		Soil development and factors affecting it		
Seventh	3		The concept of slopes of the Earth's surface - measuring them - classifying them		
The eight	3		Possibility of use in slopes - Classification of material movement on them		
Ninth	3		Risk assessment of slopes and treatment methods		
The tenth	3		Running water - methods for measuring its work		
eleven	3		Areal morphometric characteristics		
twelve	3		Morphometric and topographic characteristics		
Thirteenth	3		Morphological characteristics - conjugation patterns		
fourteenth	3		Wind - methods of measuring its work		
Fifteenth	3		Measuring the dimensions of shapes resulting from the action of the wind		

sixteen	3	Monitoring the effects of wind - ways to reduce its problems		
seventeenth	3	Groundwater - methods for identifying recharge basins		
eighteen	3	Principles for determining directions of groundwater movement		
nineteenth	3	Risks resulting from groundwater action		
The twentieth	3	Coasts of seas, oceans and lakes - their classification		
Twenty-one	3	Monitoring and measuring coastal changes and measuring the geomorphological processes affecting them		
twenty two	3	Determining and measuring the dimensions of landforms appearing on the coasts		
twenty third	3	Land evaluation and classification		
twenty fourth	3	Producing the geomorphological map - the principles followed - requirements - stages		
Twenty five	3	Applications about natural resources		
twenty-sixth	3	Applications for water projects		
Twenty seven	3	Applications for engineering projects		
Twenty-eighth	3	Military operations - suitability of the terrain's topography for the vehicles		
Twenty nine	3	Tourism - suitability of land features		
thirty	3	Discussing subject		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

The distribution is as follows: 25 marks for monthly and daily exams for the first semester. 25 marks for monthly and daily exams for the second semester. 50 degrees

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1 - Saad Ajeel Mubarak Al-Daraji, Applied Geomorphology, first edition, Dar Al-Hadithah for Printing and Publishing, University of Baghdad, 2019.. 2- Taghlib Girgis Daoud, Applied Earth's Surface Morphology, University House for Printing, Publishing and Translation, Basra, 2002. 3- Khalaf Hussein Ali Al-Dulaimi, Applied Geomorphology, Al-Ahlia Publishing and Distribution, Amman, Jordan, 2001.
Recommended books and references (scientific journals, reports...)	- Adnan Baqir Al-Naqqash, Mahdi Muhammad Ali Al-Sahhaf, Geomorphology, Baghdad, University of Baghdad 1989.
Electronic References, Websites	

Course description form

1. Geographic techniques : Course name				
2. :Course Code				
3. Annual :Year/Semester 2024-2025				
Annual				
4.				
Available forms of attendance:				
My presence only				
6. :(total)number of units /(total)Number of study hours				
60 .hours annually2 hours a week				
7. (if more than one name is mentioned)Name of the course administrator				
Name: M .Murtadha Sarhan Awadh				
8. objectives Course				
The student learns how to interpret space visuals ١ The student should apply a simple program to analyze and interpret satellite visuals -٢ should analyze and interpret a satellite visual or aerial photograph and The student - ٣ ts or draw a map from themwrite the resul The student draws a digital map -٤ The student should monitor his location using GPS -٥				
9. Teaching and learning strategies				
-١ .Education strategy collaborative concept planning -٢ .Teaching strategy brainstorming -٣ Education strategy notes series				The strategy
10. Course structure				
Evaluation	Learning	Name of the unit or topic	Required	ho the

method	method		learning outcomes	urs	week
Weekly monthly written and exams -of-the end . exam year	Explainin g scientific material by reading geograph ical tiapplica ons - Method of questioni ng and discussio n	Remote sensing concept	- \	2	1
		Fundamentals and elements of remote sensing	Building	2	2
		Interaction of electromagnetic radiation with	graduates	2	3
		atmosphere	intellectu	2	4
		Interaction of electromagnetic radiation with features	ally and	2	5
		s surface'the Earth	cognitivel	2	6
		Satellite visual	y to gain	2	7
		Analysis and interpretation of visuals	familiarit	2	8
		Remote sensors	y with	2	9
		Means of carrying sensors	the	2	10
		Types of satellites	elements	2	11
		Remote sensing applications	that	2	12
		Global Positioning System	combine		13
		and sections of the system ,advantages ,Its definiti	productio	2	14
			n and its	2	15
			inputs	2	16
		Space section		2	17
		User section		2	18
		Command and control department		2	19
		How the system works		2	20
		distance to the satellite Calculating the		2	21
		Sources of errors in the system		2	22
		System monitoring techniques		2	23
		Types of receivers		2	24
		Practical monitoring methods		2	25
		Various system applications		2	26
		The concept of the integrated station and a b			27
		history			28
		space work ,The concept of space			29
		Types of space			30
		Integrated station components			
		The working principle of the theodolite device			
		The working principle of the electronic distar			
		measuring device			
		Types of integrated station devices			
11. Course evaluation					

marks for 25 . marks for monthly and daily exams for the first semester 25 : is as follows Distribution
marks for final exams 50 . monthly and daily exams for the second semester

12. Learning and teaching resources	
lyad Ashour .written by Dr /Geographic techniques bo (if any ,methodology)Required textbooks Azzawi-Taie and Thaer Al-Al	
/Introduction to aerial photographs and space visual (sources)references Main Juma Muhammad Daoud .Dr Juma Muhammad .Dr /Introduction to digital maps Daoud .Dr/Introduction to remote sensing and its applications Din Muhammad Abdo-Wissam Al upport Kiefers /Remote sensing	
Introduction to the Global Positioning System Juma Muhammad Daoud .Dr/GPS Juma Muhammad Daoud .Dr //Digital maps	Recommended supporting books andreports ,scientific journals)references
‘Geomatics website and remote sensing web ‘USGS websiteITC website	Internet sites ,Electronic references

Course Description Form

Course Title: Thematic maps

Course Code:

Semester/Year: 2024-2025

5. Available Attendance Forms:

presence only

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

hours per year. 2 hours per week

7. Course administrator's name (if more than one name)

me :- M.M. Sarah Sadek Abd El , Sada AIA Leaning: sarasadaig@gmail.com

8. Course Objectives

Attention to studies that include applications and principles of hydrology

Distinguish between hydrological and morphometric.

Developing students' abilities in studying basins and hydrological forms in an applied manner.

9. Teaching and learning strategies

Strategy

Education strategy collaborative concept planning.

instorming education strategy.

ucation Strategy Notes Series

Course Structure					
Time week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	What thematic maps are and the nature of geographical knowledge	concept and content of thematic maps	lectures	
	2	Classify and understand thematic maps	know content of thematic maps		
	2	Knowledge of thematic maps and display phenomena on thematic maps	content of thematic maps		
	2		maps to view public content		
	2		private content views		
	2		ways to display phenomena on thematic maps		
	2		cadastral maps	lectures	
	2		non-quantitative cadastral maps (qualitative)		
	2		non-quantitative cadastral chart types		
	2		distribution maps		
	2		types of quantitative thematic maps		
	2		point maps		
	2		maps to prepare point maps		
	2		quantitative cadastral distribution	lectures	
	2		maps (corbalth)		
	2		line Maps		
	2		methods for creating equivalence line		
	2		maps		
	2		equivalence line maps		
	2		equivalence line maps		
	2		row and column lines		
	2		conditions for signing bars and		
	2		columns on charts		
	2		calculating the dimensions		
	2		calculating the dimensions	lectures	
	2		methods of calculating the		
	2		dimensions of cadastral symbols		
	2		conditions for signing cadastral		
	2		symbols on maps		
	2		numeric symbols Evaluate the		
	2		method of relative symbols and their		
	2		fields of application Graph maps		
	2		multiline maps Evaluation of motion		
	2		maps		
	2				
	2		thematic map nomenclature based on		
	2		symbols used to represent the		
	2		geographical phenomenon		

2		thematic maps in GIS programs - ditional methods of thematic maps	
2		GIS programs - Advantages of nical methods in the	
2		resentation of thematic maps - thods of representing the	
2		graphical phenomenon on matic maps - Visual perception of matic maps - Geographical lications of types of thematic ps	

Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily, oral, monthly, written exams, reports etc
1 - Daily attendance (5) degrees
Discussion among students for the purpose of knowing the extent to which students comprehend the lecture material (5) degrees.
Preparing and reading reports (10) degrees
Daily and monthly oral and written exams (30) degrees
Final Exam (50) marks

Learning and Teaching Resources

Required textbooks (methodology, if any)	
Main references (sources)	1 –Mohammed Abdullah Mawali, Maps and Survey, Human Society Library for Publishing and Distribution
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

Course Title: Hydrologist	
Course Code:	
Semester/Year:	2024-2025
5. Available Attendance Forms:	
presence only	
6. Number of credit hours (total) / number of units (total):	
hours per year. 2 hours per week	
7. Course administrator's name (if more than one name)	
me :- M.M. Sarah Sadek Abd El , Sada AlA Leaning: sarasadaig@gmil.com	
8. Course Objectives	
Attention to studies that include applications and principles of hydrology	
Distinguish between hydrological and morphometric.	
Developing students' abilities in studying basins and hydrological forms in an applied manner.	
9. Teaching and learning strategies	
Strategy	Education strategy collaborative concept planning.
	instorming education strategy.
	ucation Strategy Notes Series

Course Structure

The week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Know the geography of water resources and the nature of geographical knowledge	Chapter One: General Characteristics of Water Resources.	Lectures	
		Classification and understanding of water resources	Define the concept of water resources.		
	4	Knowledge of the science of water resources and the presentation of phenomena to understand the geography of water resources.	Explain the importance of water resources. Describe water forms, conditions and geographical distribution. Explain the origin of water. Describe the chemical properties of water resources. Chemical composition of water. Unit of salinity measurement Calibration of the results of chemical analyses. Chemical properties of water resources	Lectures	
	2		Assessment of water quality for uses.	Lectures	
	2		Chapter Two: The Hydrological Cycle. Explain the concept of the hydrological cycle Components of the hydrological cycle		
	2	Knowledge of the methods and steps of the geography of natural resources The most important developments in the geography during antiquity, as well as knowing the most important intellectual developments that occurred in the geography during the Middle Ages	Unit: Air precipitation Cloud-forming methods Determinants of the shedding process Factors affecting the spatial variation of precipitation. Measurement of airfall. Retention of rainfall rate.	Lectures	
	2	Modern	Unit: Evaporation – transpiration Geographical distribution of surface evaporation Factors affecting evaporation and transpiration Factors affecting evaporation from the sea. Factors affecting the transpiration process.		

		Factors affecting the process of evaporation Surface evaporation measurement	
	۲	Ground: Leakage Factors affecting leakage	
	2	Runoff: Runoff Water flow methods. Runoff properties Factors affecting runoff Estimation of runoff volume.	
		Chapter Three: Water budget. Water Balance Equation Water Balance in Continents Water balance in the oceans Water balance in the globe Climate change and the hydrological cycle Terrestrial climate change	
	2	Chapter Three: Surface Water Lakes: Lakes Importance of lakes Definition of lakes Lake-forming factors Lake water sources Natural properties of lakes Geographical distribution of lakes	
	۲	Rivers: Rivers Importance of rivers Definition of rivers Components of rivers Measurement of water discharge Estimation of water flow in rivers Natural characteristics of rivers	
	2	Surface water problems Conservation of water resources	
	۲	Chapter Four: Groundwater Importance of groundwater Vertical distribution of groundwater Origin of groundwater Groundwater reservoirs	

			types of underground reservoirs	
	2		- Physical characteristics of water reservoirs - Groundwater movement - Factors affecting groundwater movement - Measurement of groundwater movement - Springs - Varieties of springs - Groundwater problems - Groundwater conservation	
17	4		Chapter Five: Seas and Oceans - The importance of seas and oceans - Definition of seas and oceans - Topography of the seabed and ocean floor - Beach - Continental Shelf - Continental slope - Ocean Basin	
18	4	Knowing the sources of the gaseous atmosphere and the importance of climate impacts.	- Temperature sections - Pacific - Atlantic Ocean - Indian Ocean - Arctic Ocean	
19	4		- Physical characteristics of marine waters - Water movement in seas and oceans - Topic: Waves - Topic: Islands - Topic: Oceanic currents	
20	2		Discussion of graduation research	

Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily, oral, monthly, written exams, reports etc

1- Daily attendance (5) degrees

Discussion among students for the purpose of knowing the extent to which students comprehend the lecture material (5) degrees.

Preparing and reading reports (10) degrees

Daily and monthly oral and written exams (30) degrees

Final Exam (50) marks

Learning and Teaching Resources

Required textbooks (methodology, if any)	
Main references (sources)	Safaa Abdul Amir Rasham Al-Asadi, Geography of Water Resources, Iraq, University of Basra, College of Education, 2014
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name : Geography of Eurasia

2. Course Code:

3. Semester / Year: yearly/ 2024-2025

5. Available Attendance Forms: My presence only

6. Number of Credit Hours (Total) / Number of Units (Total): ٢/٦٠

7. Course administrator's name (mention all, if more than one name)

Name: M.M. Sarah Khamas Jabr

Email: sarahkhamas@gmail.com

8. Course Objectives

Course Objectives

- 1- Introducing students to the geographical location of the continents Asia and Europe
- 2- Introducing students to the natural characteristics of the two continents
- 3- Acquainting students with the various geographical regions in continents of Asia and Europe
- 4- Introducing students to the characteristics of the population, the origin of peoples, and the different ethnic, linguistic, and cultural characteristics on the two continents.
- 5- Enabling students to learn about the size of the population, distribution, and its activities on the two continents

9. Teaching and Learning Strategies

Strategy

Interactive lectures between the students and the professor by distributing the material full, printed form and divided into weekly lectures from the beginning of the academic year. Topics are discussed between the students and the professor, and a set of questions are asked in each lecture that are formulated in a way that represents the objectives of lecture material and the answers are discussed with the students, as well as Present previous studies related to the geography of Asia and Europe, as well as assigning students to prepare a report related to the geography of **Asia and Europe**, by dividing the students into groups for this purpose.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	٢	Introducing students to the geographical and astronomical location of the Asian continent The importance of this site	Asia continent website	Lecture and discussion	test
the second the third	٤	Introducing students to the geological structure and geological eras that the continent as well as of Asia passed through as knowing the surface sections of the continent of Asia	Geological structure and terrain		
-Fourth fifth	٤	Students' knowledge of the nature of climate in the continent of Asia and the factors that affect it geographical distribution of climatic regions on the continent	Climate and climatic regions in the continent of Asia		
VI	٢	Students' knowledge of the types of soils in the continent of Asia the geographical distribution and of those soils	Soils in Asia		
Seventh	٢	Knowledge of the demand for types of natural plants on the continent of Asia and knowledge of the geographical distribution of the regions of natural plants on the continent of Asia	Natural plant in the continent of Asia		
VIII	٢	Introducing students to the types of water resources on the Asian continent and the geographical distribution of those resources	Water resources in the continent of Asia	Lecture and discussion	a test
X-IX	٤	Students' knowledge of the most important economic activities in the continent of Asia	Economic activity in the continent of Asia		
Elevent-h twelfth	٤	Students' knowledge of the origin of the inhabitants of the Asian continent and the human races on the continent found	Population of the continent of Asia	Lecture and discussion	a test
thirteenth -h fifteenth	٦	Study India	Study of multiple regions in the (India)continent		
sixteen	٢	Introducing students to the geographical and astronomical the European continent location of The importance of this site	Europe continent website		
seventee nth	٢	Introducing students to the geological structure and geological eras that the continent as of Europe passed through well as knowing the surface continent of sections of the Europe	Geological structure and terrain	Lecture and discussion	test
Eightee -nth	٤	Students' knowledge of the nature of the climate in the European	Climate and climatic regions		

nineteenth		the factors that affect the continent and the geographical distribution of the climatic regions on the continent	on the European continent		
The twentieth	٢	Students' knowledge of the types of soils on the European continent and the geographical distribution of those soils	Soils in Europe		
Twenty one-	٣	Knowing the demand for types of natural plants on the European continent and knowing the geographical distribution of the regions of natural plants on the European continent	Natural plant in Europe		
twenty two	٤	the Students will be familiar with types of water resources on the European continent and the geographical distribution of those resources	Water resources in Europe		
-Twenty third -Twenty fourth	٥	Students' knowledge of the most important economic activities in the European continent	Economic activity in the European continent	Lecture and discussion	a test
-Twenty fifth -twenty seventh	٦	Students' knowledge of the origin of the inhabitants of the European continent and the human races found on the continent	Residents of the Resi European continent		
-Twenty eighth thirty	٧	Study Ireland	Study of multiple regions on the Ireland) continent (	Lecture and discussion	a test

11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

1- Daily attendance (10) marks

2- Discussion among students for the purpose of knowing the extent of students' understanding of the lecture material (10) marks.

3- Daily and monthly oral and written exams (30) marks

Final exam (50) marks

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Main references (sources)

1- Ali Musa, Muhammad Al-Hamma Geography of Continents, Dar Al-Fi Damascus, 1997

2-Hossam Gad Al-Rab, New Europe Geography, Assiut University.

3- Abd al-Ilah Razouki Karbal, Yusuf Muhammad al-Sultan, Abd Ali Hassan Khafaf, Geography of Europe and the Soviet Union, University of Basra, 1988.

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

Course description form

1. Course name: Population Geography	
2. Course code:	
3. Semester/year 2024-2025	
5. Available attendance forms	
6. Number of study hours (total)/number of units (total) 60	
7. Name of the course administrator (if more than one name is mentioned)	
Name: Dalia Abdul-Jabbar Shanishil Email: :dalia_abdul@uomisan.edu.iq	
8. Course objectives	
1- Documenting the student's ability to understand population geography 2- Introducing the student to population geography and its uses in geography 3- Introducing the student to population geography and drawing an integrated strategy for its analysis 4- Increasing the student's ability to apply population geography. 5- Developing the student's abilities in spatial analysis methods in population geography. 6- Qualifying specialists in the fields of population geography and its applications through a scientific curriculum that combines theoretical and applied aspects according to the actual needs of the labor market.	Objectives of the subject
9. Teaching and learning strategies	
Teaching and learning strategies: Interactive lectures between students and the professor through distributing the material in full, printed form and divided into weekly lectures from the beginning of the school year. Topics are discussed between the students and the professor, and a set of questions are asked in each lecture that are formulated in a way that represents the objectives of the lecture material and the answers are discussed.	strategies

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10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Hours	Week
a test	Interactive lectures	- The concept of population geography (evolution and development)	The concept and definition of population geography. Stages of definition The relationship of population geography to the branches of geography and: - The branches of population geography (social, health, behavioral) The relationship of population geography to other sciences. - Population and demographic geography, population geography topics.	10 theoretical practical	the week The first tenth-
a test	Interactive lectures	- The development of population studies, their topics, and the uses of population geography	• The goals and importance of population geography. And population geographic data sources A- General population census B- Life statistics C- Spatial movement	10 theoretical	the week - ٢٠-١١

			:- Population policies:		
11. Course evaluation					
Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc. 1- Daily attendance (5) marks 1- Discussion among students for the purpose of knowing the extent of students' understanding of the lecture material (5) marks. 2- Preparing and reading 3 reports (15 marks). 3- Daily and monthly oral and written exams (25) marks 4- Final exam (50) marks					
12. Learning and teaching resources					
			Required textbooks (methodology, any)		
1 Abdul Ali Al-Khafaf, Population Geography (General Foundations) 2007 2. Al-Saadi, Abbas Fadel, Al-Mufasssal fi Geography of Population, vol. 1, 2nd edition, Amman, Al-Warqa Publishing and Distribution Foundation, 2014. 3. Al-Saadi, Abbas Fadel, Population Geography, Part 2, Dar Al-Kutub Directorate for Printing and Publishing, Baghdad, 2002. 4. Sharaf, Muhammad Ibrahim Muhammad, Population Geography Foundations and Trainings, second edition, Dar Al-Ma'rifa Al-Jami'a for Printing, Publishing and Distribution, Alexandria, 2017 .			Main references (sources)		
1 Abu Ayana, Fathi Muhammad, Studies in Population Science, Dar Al-Nahda Al-Arabiyya, Beirut, 2002.			Recommended supporting books and references (scientific journals, reports....)		

Course Description Form

1. Course Name:					
Development geography and planning					
2. Course Code:					
3. Semester / Year: 2024–2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor "Falah Driwal Ghami					
Email: falahdrewal@ uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and cognitively to fully	Concept of developme Geography of development.	The study includes examining the concept and geographic	
2	2				
3	2				

4	2	comprehend and grasp the elements that integrate production and its inputs	The relationship between geographical development and other sciences.	phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real life context, and conducting appropriate assessments to measure students' progress.
5	2		Regional development theory.	
6	2		Human development.	
7	2		Spatial inequality and measurement methods.	
8	2		Development indicators.	
9	2		Geographic techniques and their application in development.	
10	2		Concept of regional planning.	
11	2		Concept of region.	
12	2		Objectives of regional planning.	
13	2		Types of regional planning.	
14	2		Stages of planning.	
15	2		Determining planning functions.	
Holiday	2		Planning methods.	
17	2		Building models.	
18	2		Probabilistic methods.	
19	2		Regression model.	
20	2		Spatial interaction.	
21	2		User-centered approach.	
22	2		Global product.	
23	2		Global experiences in regional planning, including Iraq.	
24	2		Discussion of research topics in the subject.	
25	2			
26	2			
27	2			
28	2			
29	2			
30	2			

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books any)	
Main references (sources)	The main sources of information about the program
Recommended books and references (scientific journals, reports...)	" Al-Dulaimi, Mohammed Delf Ahmed, Fawaz Ahmed Al-Mousa, Geography of Development, 2nd edition, 2009. Al-Zouka, Mohammed Khamees, Regional Planning and Geographic Dimensions, Dar Al-Maarefa Al-Jameia, 1991 Al-Rashid, Osama Ismail Osman, Planning a

	Development, University of Basra, College of Arts, edition, 2018
Electronic References, Websites	

Course Description Form

1. Course Name:	
Geography of the Americas	
2. Course Code:	
3. Semester / Year: 2024-2025	
Annual	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: "Assistant Professor Sarah Sadeq Abdul-Sada. Email: sarasadaig@gmail.com	
8. Course Objectives	
Course Objectives	1. Documenting the student's competency in the geography of the Americas. 2. Introducing the student to the geography of the Americas and its applications in geography. 3. Defining the geography of the Americas and developing an integrated strategy for its analysis. 4. Enhancing the student's ability in applying the geography of the Americas. 5. Developing the student's capabilities in spatial analysis methods in the geography of the Americas. 6. Training specialists in the field of geography of the Americas and its applications through a comprehensive scientific curriculum that combines theoretical and practical aspects based on the actual needs of the job market. 7. Providing training for employees in government, private, and public academic institutions in relevant fields and enhancing their capabilities through organizing and implementing training courses in the geography of the Americas.

	of the Americas and its applications. 8. Contributing to the promotion of the use of geographic techniques of the Americas and their applications for various purposes in different regions.
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9. Teaching and Learning Strategies

Strategy	Interactive lectures between students and the professor, with the material distributed in a complete printed format and divided into weekly lectures from the beginning of the academic year. The topics are discussed between students and the professor, and a set of questions related to the lecture objectives is provided in each session. The answers are discussed with students, and previous studies related to objective maps are presented. Additionally, students are assigned to prepare a report on geographical thought scholars, divided into groups for this purpose.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understanding the nature of geographic resources and the nature of geographic knowledge.	Chapter 1: Discovery of the Continent, Natural Characteristics of the Location		
2	2	Understanding the classification of water resources and comprehending the knowledge of water resources in order to understand the geographic aspects of water resources.	Chapter 2: Geological Structure and Surface		
3	2		Chapter 3: Climate, its Elements, and Regions		
4	2		Chapter 4: Aquatic Environment		
5	2		Chapter 5: Natural Vegetation and its Regions		
6	2		Chapter 6: Soil, its Characteristics, and Regions		
7	2		Chapter 7: Population of the Continent, Size, Distribution, Agricultural,		
8	2				
9	2				
10	2				
11	2				
12	2				
13	2				
14	2				
15	2				
عطلة	2	Acquiring knowledge about the methods and steps of geographic analysis of natural resources and understanding the significant developments in the field of geography during ancient times. Additionally, understanding the major intellectual advancements in the field of geography during the medieval and modern periods.			
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30	2				

		Understanding sources of atmosphere and their importance in climate effects	Industrial, and Commercial Activities, along with a comprehensive study of geographic regions in the United States, with a detailed study of a representative country (Canada) • Second Semester • Chapter 1: South America Continent • Chapter 1: Discovery of the Continent, Natural Characteristics of the Location • Chapter 2: Geological Structure and Surface • Chapter 3: Climate, its Elements, and Regions • Chapter 4: Aquatic Environment • Chapter 5: Natural Vegetation and its Regions • Chapter 6: Soil, its Characteristics, and Regions • Chapter 7: Population of the Continent, Size Distribution, Composition,		
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			Agricultural, Industrial, and Commercial Activities along with comprehensive study of the geographical regions of Latin America, with detailed study of representative countries (Brazil).		
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11. Course Evaluation

Distribution of Grades out of 100 based on Assigned Tasks for Students such as Daily Preparation, Daily and Monthly Exams, Oral and Written Tests, Reports, etc.:

Daily Attendance (5 marks)

Student Discussion to assess understanding of lecture material (5 marks)

Preparation and presentation of reports (10 marks)

Daily and Monthly Oral and Written Exams (30 marks)

Final Exam (50 marks).

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	"Ali, the student of Al-Mousawi, Geography of Americas, University of Kufa, College Education, 2007
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Soil Geography					
2. Course Code:					
3. Semester / Year: 2024–2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Professor Dr. Kazem Shantah Saad Email: drkadem@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strategy				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates	Concept of soil	The study	

2	2	intellectually and	The concept of soil has	includes	
3	2	cognitively to fully	evolved over time.	examining the	
4	2	comprehend and	Relationship of soil with	concepts and	
5	2	grasp the elements	other sciences.	geographic	
6	2	that integrate	Factors of soil	phenomena	
7	2	production and its	formation:	related to rural	
8	2	inputs		areas, utilizing	
9	2		Parent material	various teaching	
10	2		Climate	methods such as	
11	2		Topography	presentations and	
12	2		Time and human	visual media,	
13	2		activities	encouraging	
14	2		Processes of soil	discussions and	
15	2		formation.	active interaction	
عطلة	2		Physical properties of	among students	
16	2		soil: soil texture, soil	organizing field	
17	2		structure.	trips to observe	
18	2		Chemical properties of	the real-life	
19	2		soil: degree of reaction	context, and	
20	2		(pH), salinity.	conducting	
21	2		Calcium carbonate.	appropriate	
22	2		Soil solution.	assessments to	
23	2		Biological properties of	measure student	
24	2		soil.	progress.	
25	2		Soil classification.		
26	2		Pedogenic soils.		
27	2		Non-pedogenic soils.		
28	2		Issues related to soil.		
29	2		Water erosion of soil.		
30			Treatment of water		
			erosion.		
			Wind erosion of soil.		
			Treatment of wind		
			erosion.		
			Soil salinity.		
			Methods of salinity		
			management.		
			Soil pollution.		
			Remediation of soil		
			pollution		

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

Soil Geography by Professor Dr. Kazem Shant Saad.

Main references (sources)	Soil Geography by Dr. Ali Hussein Al-Shalash
Recommended books and references (scientific journals, reports...)	Journal of Soil Science
Electronic References, Websites	Lectures on Soil Geography published various websites

Course Description Form

1. Course Name:					
Tourism Geography					
2. Course Code:					
3. Semester / Year: 2024–2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor Wijdan Farhan Majid					
Email: wajadaan.f.m@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building	Concept of tourism.	The study	
2	2				

3	2	graduates	Tourist movement.	includes	
4	2	intellectually a	Importance of tourism.	examining the	
5	2	cognitively to	Development of tourist	concepts and	
6	2	fully	movement.	geographic	
7	2	comprehend a	Concept of tourism geography	phenomena	
8	2	grasp the	Types of tourism.	related to rural	
9	2	elements that	Natural resources.	areas, utilizing	
10	2	integrate	Tourist attractions.	various teaching	
11	2	production and	Human resources.	methods such as	
12	2	its inputs	Tourist attractions.	presentations and	
13	2		Vacation.	visual media,	
14	2		Tourist facilities and services.	encouraging	
15	2		Regional organization of	discussions and	
			tourism.	active interaction	
عطلة	2		Tourism planning.	among students	
16	2		Geographical distribution of	organizing field	
17	2		international tourism.	trips to observe	
18	2		International tourism	the real-life	
19	2		experiences.	context, and	
20	2		Tourism in Iraq.	conducting	
21	2		Applications in different	appropriate	
22	2		countries.	assessments to	
23	2		Discussion of research topics in	measure student	
24	2		the subject.	progress.	
25	2		Discussion of research topics		
26	2		the subject		
27	2				
28	2				
29	2				
30					

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	"Tourism Geography" by Subhi Ahmed Al-Dulaimi
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Lectures on Tourism Geography
Electronic References, Websites	Tourism Geography Reference link: https://itm.mtu.edu.iq/wp-content

	Tourism Geography
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Reference link:

<https://elearning.univ-eloued.dz/mod/resource/view.php?id=8995>

Course Description Form

1. Course Name:					
Industrial Geography					
2. Course Code:					
3. Semester / Year: 2024-2025					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor Wijdan Farhan Majid					
Email: wajadaan.f.m@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1- Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2- Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates	First:	The study	
2	2				

3	2	intellectually and	Industrial Geography and	includes	
4	2	cognitively to fully	Research Methods in	examining the	
5	2	comprehend and	Industrial Geography	concepts and	
6	2	grasp the elements		geographic	
7	2	that integrate	What is industrial	phenomena	
8	2	production and its	geography?	related to rural	
9	2	inputs	Importance of industrial	areas, utilizing	
10	2		geography and research	various teaching	
11	2		methods in it.	methods such as	
12	2		Research criteria and data	presentations and	
13	2		sources.	visual media,	
14	2		Second:	encouraging	
15	2		Introduction to Industrial	discussions and	
			Activity	active interaction	
عطلة	2			among students	
16	2		Defining concepts.	organizing field	
17	2		Origins and development	trips to observe	
18	2		of industrial activity.	the real-life	
19	2		Importance of industrial	context, and	
20	2		activity.	conducting	
21	2		Third:	appropriate	
22	2		Classification of Industrial	assessments to	
23	2		Activity	measure student	
24	2			progress.	
25	2		Importance of		
26	2		classification.		
27	2		International classification		
28	2		of economic activity.		
29	2		Classification of industrial		
30			activity.		
			Principles of classification		
			Fourth:		
			Factors of Industrial		
			Location and Their		
			Theoretical Foundations		
			Primary resources and the		
			theory of von Thünen.		
			Labor force and technical		
			skills.		
			Market and its impact on		
			industrial project location		
			Transportation and its		
			importance in		
			determining industrial		
			location.		
			Other factors influencing		
			industrial location.		
			Fifth:		
			Regional Patterns of		

			Industry and Quantitative Measurement Industrial concentration and dispersion. Industrial diversity and specialization. Regional patterns of industrial distribution. Sixth: Spatial Development of Industry Industrial planning. Regional development. Structural changes in industrial development. Privatization trends versus socialist planning Seventh: Geographic Distribution of Industry Worldwide Overview. Basic industries: Iron and steel. Copper. Aluminum. Chemical industries. Petrochemical industries Machinery and equipment including automobiles. Electrical and electronic industries. General review		
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11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Dr. Muhammad Azhar Saeed Al-Sumak, Dr. Abbas Ali Al-Tamimi, "Fundamentals of Industrial Geography and Its Applications," Mosul Printing Press, 1987.
Main references (sources)	
Recommended books and references (scientific journals, reports...)	Dr. Ahmed Habib Rasul, "Principles of Industrial Geography," Faculty of Arts, Vol. 1, Al-Salam Printing Press, 1976.

Electronic References, Websites

Lectures on Industrial Geography

Reference link:

<https://coehuman.uodiyala.edu.iq/uploads/2021/02/Industrial%20Geography.pdf>

Saad Jassim Mohammed's industry

Reference link:

<https://www.neelwafurat.com/itempage.aspx>

Course Description Form

1. Course Name:	
Elaborate Climate	
2. Course Code:	
3. Semester / Year: 2024-2025	
Annual	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: "Assistant Professor Sarah Sadeq Abdul-Sada.	
Email: sarasadaig@gmail.com	
8. Course Objectives	
Course Objectives	1. Documenting the student's ability to understand detailed climate. 2. Introducing the student to detailed climate and its geographical applications. 3. Defining detailed climate to the student and devising an integrated strategy for its analysis. 4. Enhancing the student's capability in applying detailed climate applications. 5. Developing the student's skills in spatial analysis methods in detailed climate. 6. Qualifying specialists in the field of detailed climate and its applications through a comprehensive scientific curriculum that combines theoretic and practical aspects, based on the actual needs of the job market. 7. Training employees in government, private, and public academic institutions in relevant fields and developing their capabilities through organizing and conducting training courses in detailed climate and its applications. 8. Contributing to the promotion of the utilization of detailed climate

	techniques, remote sensing, and their applications for various purpose in different regions Contributing to the promotion of the use of Applied Climatology techniques and remote sensing and their applications for various purposes in different regions
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9. Teaching and Learning Strategies

Strategy	Interactive lectures between students and the professor through distributing material in a complete printed form, divided into weekly lectures starting from the beginning of the academic year. The topics are discussed between students and the professor, and a set of questions is provided in each lecture, formulated to represent the objectives of the lecture material, and the answers are discussed with the students. Additionally, previous studies related to detailed climate are presented.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Understanding	• The evolution of detailed (micro) climate science. • Methods and tools for studying and estimating detailed climate elements. • The importance of studying detailed climate and the curriculum. • Selected examples of detailed climate:		
2	2	nature of detailed			
3	2	climate and			
4	2	nature of geography			
5	2	knowledge, including			
6	2	regional geography			
7	2	and the relations			
8	2	of geography to other			
9	2	sciences.			
10	2	Understanding			
11	2	branches			
12	2	geography			
13	2				
14	2				
15	2				
عطلة	2		• Urban climate • Coastal climate • Rural climate • Mountain climate • Valley climate • Soil surface climate		
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				

29	2				
30	2				

11. Course Evaluation

Distribution of Grades out of 100 based on Assigned Tasks for Students such as Daily Preparation, Daily and Monthly Exams, Oral and Written Tests, Reports, etc.:

Daily Attendance (5 marks)

Student Discussion to assess understanding of lecture material (5 marks)

Preparation and presentation of reports (10 marks)

Daily and Monthly Oral and Written Exams (30 marks)

Final Exam (50 marks).

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	"Detailed (Micro) Climate Science, Salam H Ahmed Al-Jabouri, 1st Edition, Delir Lib for Printing and Publishing, Baghdad, 2021
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Urban Geography					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor "Falah Driwal Ghami					
Email: Falah D.G.@uomisan.edu.iq					
8. Course Objectives					
Course Objectives		1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates	Nature of Urban	The study includes	

2	2	intellectually and cognitively to fully comprehend and grasp the elements that integrate production and its inputs	Geography	examining the concept and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real life context, and conducting appropriate assessments to measure students' progress.
3	2		Urbanization and General Concepts	
4	2		Classification of Cities	
5	2		Functions of Cities	
6	2			
7	2		Theories of Urban Structure	
8	2		Urban Land Use	
9	2		Residential - Commercial - Industrial - Service Functions	
10	2		City Population	
11	2		Growth - Distribution	
12	2		Composition	
13	2		Characteristics of Urban Sizes and Influencing Factors	
14	2		Spatial Interaction and its Forms	
15	2		Principles of Spatial Interaction	
Holiday	2		Importance of Interaction and Influencing Factors	
17	2		Urban Morphology	
18	2		City Planning	
19	2		Architectural Structure	
20	2		Land Use in the City	
21	2		Morphological Stages	
22	2		Central Place Theory	
23	2		Economic Basis of Cities	
24	2		Land Values in Cities	
25	2		Regional Relationship of Cities	
26	2		Urban-Rural Fringe	
27	2		Contemporary Urban Problems	
28	2		Population, Environmental, Housing and Planning Issues	
29	2			
30	2			

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books and any)	
Main references (sources)	The main sources of information about the program
Recommended books and	" Al-Dulaimi, Mohammed Delf Ahmed, Fawaz Ahmed Al-

references (scientific journals, reports...)	Mousa, Geography of Development, 2nd edition, 2009. Al-Zouka, Mohammed Khamees, Regional Planning and Its Geographic Dimensions, Dar Al-Maarefa Al-Jameia, 1991. Al-Rashid, Osama Ismail Osman, Planning and Development, University of Basra, College of Arts, 5th edition, 2018
Electronic References, Websites	

Course Description Form

1. Course Name:					
Methods of Geographic Research					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Assistant Professor Dr. Hadeel Hisham Abdulameer Email: hadilhosham@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building	Scientific Framework	The study	

2	2	graduates	Geographic Research -	includes	
3	2	intellectually a	Scientific Research Method	examining the	
4	2	cognitively to	• Geographic Research:	concepts and	
5	2	fully		geographic	
6	2	comprehend a	• Identifying geographic	phenomena	
7	2	grasp the	problems and hypotheses.	related to rural	
8	2	elements that	• Identifying geographic	areas, utilizing	
9	2	integrate	problems.	various teaching	
10	2	production an	• Identifying geographic	methods such as	
11	2	its inputs	hypotheses.	presentations an	
12	2		• Designing the research	visual media,	
13	2		framework.	encouraging	
14	2		• Action plan.	discussions and	
15	2		• Organizing the research	active interactio	
عطلة	2		timeline.	among students	
16	2		• Collecting relevant dat	organizing field	
17	2		on the research topic.	trips to observe	
18	2		• Remote sensing as a	the real-life	
19	2		technical framework for da	context, and	
20	2		collection.	conducting	
21	2		• Resources:	appropriate	
22	2			assessments to	
23	2		• Library sources.	measure studen	
24	2		• Primary and secondary	progress.	
25	2		sources.		
26	2		• Note-taking techniques		
27	2		and practices.		
28	2		• Field techniques.		
29	2		• Data analysis.		
30	2		• Significance of statistio		
			analysis.		
			• Writing geographical		
			research reports.		
			• Organizing research		
			reports.		
			• Evaluation criteria for		
			research.		
			• Discussion of research		
			findings.		
			• Discussion of resear		
			results.		

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Geographic Research Methods, by Abdulrazz Mohammed Al-Batayhi
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Agricultural geography	
2. Course Code:	
3. Semester / Year: yearly/2023-2024	
2024-2025	
5. Available Attendance Forms: My presence only	
6. Number of Credit Hours (Total) / Number of Units (Total): ٣/٦٠	
7. Course administrator's name (mention all, if more than one name)	
Name: M.M. Sarah Khamas Jabr	
Email: sarahkhamas@gmail.com	
8. Course Objectives	
Course Objectives	1- The student's knowledge & understanding of agricultural geography. 2- Introducing the student agricultural geography and its use in geography. 3- Introducing the student agricultural geography and draw up an integrated strategy analyzing it 4- Increasing the student's ability to apply agricultural geography. 5- Developing the student's abilities in spatial analysis methods in agricultural geography 6- Qualifying specialists in fields of agricultural geography & its applications through a scientific

	curriculum that combines theoretical and applied aspects according to the actual needs of the labor market. 7- Training workers in governmental, private, and public academic institutions in related fields and developing their capabilities through organizing and implementing training courses in the fields of agricultural geography and its applications.
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9. Teaching and Learning Strategies

Strategy	Interactive lectures between the students and the professor by distributing the material in full, printed form and divided into weekly lectures from the beginning of the academic year. Topics are discussed between the students and the professor and a set of questions are asked in each lecture that are formulated in a way that represents the objectives of the lecture material and the answers are discussed with the students, as well as Presenting previous studies related to agricultural geography, as well as assigning students to prepare a report related to agricultural geography, by dividing the students into groups for the purpose of this.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	٢	The distinction between agriculture and agricultural geography	The concept of agricultural geography	Lecture and discussion	test
the second	٢	Knowing the emergence of agriculture and the most important stages of time that agricultural geography passed through	Chronological stages of the emergence of agricultural geography		
the third	٢	Studying the research methods used to write	Research methods in agricultural geography		

		agricultural geography			
the fourth	٢	Studying the relationship of geography to other branches of natural geography and human	The relationship of agricultural geography with other sciences		
X-V	١٢	of the Knowledge natural factors that affect plant production and the extent of its impact on the geographical distribution of agricultural crops	Natural factors affecting agricultural production		
Eleventh - fifteenth	١٠	Understanding the human factors that t agricultural affec production and the most important human obstacles that stand in the way of vegetative production	Human factors affecting agricultural production	Lecture and discussion	a test
sixteenth - twentieth	١٠	Know the most important patterns Agricultural and the characteristics of those patterns	Agricultural patterns		
-one - -twenty four	٨	Knowledge of the natural factors that affect livestock and knowledge of the types of livestock	Natural factors affecting animal production	Lecture and discussion	a test
-Twenty -five -twenty eight	٨	Knowledge of human factors and their impact on animal production	Human factors affecting animal production		
-Twenty -nine thirty	٤	Know the types of sheep And cows and an explanation of the extent of their influence by natural and human factors	Sheep and cattle production		

11- Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

1- Daily attendance (5) marks

2- Discussion among students for the purpose of knowing the extent of students' understanding of the lecture material (5) marks.

3- Daily and monthly oral and written exams (40) marks

Final exam (50) marks	
12–Learning and Teaching Resources	
Required textbooks (curricular books, if any)	
Main references (sources)	1- Mikhlif Shalal Marai, Ibrahim Muhammad Hassoun Al-Qassar, Geography of Agriculture, University of Mosul. 2- Muhammad Habib Al-Ukaidi, Geography of Agriculture, Wadah Publishing House, Amman, 2021.
Recommended books and references (scientific journals, reports...)	Kazem Abadi Hammadi Al-Jasse, Geography of Agriculture, Dar Al-Safaa, Jordan, 2015
Electronic References, Websites	

Course description form

Geographic statistics : Course name	.١	
:Course Code	.٢	
Annual :Year/Semester	.٣	
Annual		
: attendance Available forms of	.٥	
My presence only		
:(total)number of units /(total)Number of study hours	.٦	
hours a week2 .hours annually60		
(if more than one name is mentioned)Name of the course administrator	.٧	
Mortada Sarhan Awad .M :Name		
Course objectives	.٨	
student loves the subject of geographical statistics That the -١ The student prefers to apply and use statistical equations -٢ That the student has a passion for interpreting and analyzing data -٣ f tables and graphsThe student should prefer to model data and display it in the form o -٤		
Teaching and learning strategies		
.Education strategy collaborative concept planning -١ .Teaching strategy brainstorming -٢ Education strategy notes series -٣		he strategy

Course evaluation .١١	
marks for 25 . marks for monthly and daily exams for the first semester 25 : is as follows Distribution marks for final exams 50 . monthly and daily exams for the second semester	
Learning and teaching resources .١٢	
ten /The book of statistics and geographical modeling bi And Professor Dr-Sami Aziz Al .by Professor Dr Taie-Iyad Ashour Al	(if any ,methodology)Required textbooks
graphical research between specialized information ,quantitative methods ,methodology mmak-written by Muhammad Azhar Al /technology ٢٠١١	(sources) Main references
-Salah Mahdi Al .Professor Dr Author / Geostatistics Zayadi	Recommended supporting books andreports ,scientific journals)references
http://www.isbniraq.org https://www.researchgate.net	Internet sites ,Electronic references

Course Description Form

1. Course Name: Geography of natural resources / Third stage	
2. Course Code:	
3. Semester / Year: Annual Course	
5. Available Attendance Forms: Audience in the hall	
6. Number of Credit Hours (Total) / Number of Units (Total) : 60 hours	
7. Course administrator's name (mention all, if more than one name)	
Name: Zahraa Shaker Abboud Email: aalinh90@gmail.com	
8. Course Objectives	
Course Objectives 1- Raising the intellectual level of graduates and familiarity with a holistic perspective of the elements of things and the links between them and the entrances towards them 2- Completing the economic mentality of the recipient by shedding light on the complementary elements of the production process and not being satisfied with basic elements.	
9. Teaching and Learning Strategies	
Strategy	1- Explain the scientific material by applying examples of the reality of natural resources in Iraq in general and Maysan Governorate in particular. 2- Writing scientific reports through field visits to the resource in the governorate, especially with regard to systems and methods of developing and maintaining resources. 3- Coherence of opinions and ideas exchanged about the geography of natural resources in order to deliver information smoothly to students.
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
30 week	Two hours week	Building graduates intellectually and cognitively to complete and familiarize themselves with the elements that combine production and its entrances to the scientific material to be taught.	Characteristics of natural resources, importance of natural resources, maintenance of natural resources, soil and its components, soil formation factors, physical properties of soil, chemical properties of soil, soil fertility, soil problems and maintenance, water resources, surface water, rivers, groundwater, groundwater reservoirs, groundwater movement, groundwater problems and maintenance of groundwater, sea and ocean resources, , minerals and energy resources and problems.	1-Explanation of the scientific material by reading geographical applications on the reality of the natural resources of Maysan Governorate in terms of development, maintenance and preservation of natural resources 2- Writing a scientific report through field observations of students and linking them to the theoretical side 3-Linking theoretical ideas on the subject with resources with practical aspects	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily, oral, monthly, written exams, reports etc

1- Daily attendance (5) degrees

2- Discussion among students for the purpose of knowing the extent to which students comprehend the lecture material (5) degrees.

3- Daily and monthly oral and written exams (40) degrees

Final exam (50) marks.

12. Learning and Teaching Resources

Geography of natural resources The curriculum	Geography Natural resources for students of all institutes and colleges
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scheduled for the third stage written by: Prof. Safaa Abdel Amir Rasham Al-Asadi.	other than specialization according to prescribed curriculum.
1 Eid Abbas Abdul Latif, Natural Resource Economics, Anbar University, College of Agriculture, 2021. 2 Omar Ramadan Al-Saadi et al., Introduction Natural Resources, Omar Al-Mukhtar University Publications, Al-Bayda, 2008.	Geography of natural resources Student of all institutes and colleges other than specialization according to prescribed curriculum Author: Prof. Safaa Abdel Amir Rasham Al-Asadi.
1 General Authority for Agricultural Scientific Research, Dictionary of Scientific Terms in the Field of Natural Resources, 2014. 2- Ahmed Mohammed Saeed Mahmoud Harb, Natural Resources Assessment in Wadi El-Rayan Basin, Master Thesis (unpublished), Faculty of Graduate Studies, University of Jordan, 2003.	Fosool Magazine – Al-Faisal Magazine Knowledge World – Al-Fikr World.
Search engines network in international information / Internet. Sites that specialize in Arabic studies, geographical sciences of various kinds.	Search engines network in international information / Internet. Sites specialized in Arabic studies: Mustafa Library, our Arab Library forums, Dr. Muhammad Saeed Al-Ghanam website, the website of the Faculty of Arabic Language, Al-Azhar University and the research site of the academic scientific journal.

Teaching Name : Assistant Lecturer Zahraa Shaker Abboud

Course Description Form

1. Course Name:					
Methods of Geographic Research					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Assistant Professor Dr. Hadeel Hisham Abdulameer Email: hadilhosham@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1- Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2- Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually a	Scientific Framework of Geographic Research -	The study includes examining the	
2	2				
3	2				

4	2	cognitively to fully comprehend and grasp the elements that integrate production and its inputs	Scientific Research Methodology - Geographic Research: - Identifying geographic problems and hypotheses. - Identifying geographic problems. - Identifying geographic hypotheses. - Designing the research framework. - Action plan. - Organizing the research timeline. - Collecting relevant data on the research topic. - Remote sensing as a technical framework for data collection. Resources: - Library sources. - Primary and secondary sources. - Note-taking techniques and practices. - Field techniques. - Data analysis. - Significance of statistical analysis. - Writing geographical research reports. - Organizing research reports. - Evaluation criteria for research. - Discussion of research findings. - Discussion of research results.	concepts and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real-life context, and conducting appropriate assessments to measure student progress.	
5	2				
6	2				
7	2				
8	2				
9	2				
10	2				
11	2				
12	2				
13	2				
14	2				
15	2				
عطلة	2				
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30					

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Geographic Research Methods, by Abdulrazzak Mohammed Al-Batayhi
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Geography of Seas and Oceans.					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Professor Dr. Kazem Shantah Saad Email: drkadem@uomisan.edu.iq					
8. Course Objectives					
Course Objectives		1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strategy			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates	Concept of marine and	The study	

2	2	intellectually and	ocean geography.	includes	
3	2	cognitively to fully	Theories of ocean	examining the	
4	2	comprehend and	formation.	concepts and	
5	2	grasp the elements	General characteristics	geographic	
6	2	that integrate	of the hydrosphere.	phenomena	
7	2	production and its	Geographical	related to rural	
8	2	inputs	distribution of seas and	areas, utilizing	
9	2		oceans.	various teaching	
10	2		Characteristics of	methods such as	
11	2		seawater.	presentations and	
12	2		Movement of ocean	visual media,	
13	2		currents.	encouraging	
14	2		Waves and marine	discussions and	
15	2		currents.	active interaction	
			Tides.	among students	
عطلة	2		Salinity of seas and	organizing field	
16	2		oceans.	trips to observe	
17	2		Temperature and its	the real-life	
18	2		distribution in seas and	context, and	
19	2		oceans.	conducting	
20	2		Density of seawater.	appropriate	
21	2			assessments to	
22	2		Climate of seas and	measure student	
23	2		oceans.	progress.	
24	2		Application by students		
25	2		in schools.		
26	2		Topography of ocean		
27	2		basins.		
28	2		Continental shelves,		
29	2		ocean trenches.		
30			Coastlines.		
			Utilization of marine		
			and ocean resources.		
			Explanation of scientific		
			material during		
			lectures, as well as		
			writing reports on		
			various topics related to		
			seas and oceans and		
			prevalent phenomena.		
			Weekly, monthly, and		
			final exams		

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Introduction to Marine and Ocean Geography by
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	Abdulilah Karbal.
Main references (sources)	Water Resources by Safaa Al-Asadi.
Recommended books and references (scientific journals, reports...)	Some websites, articles, and films where they published
Electronic References, Websites	

Course Description Form

1. Course Name:					
Transportation Geography					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Assistant Professor Dr. Hadeel Hisham Abdulameer Email: hadilhosham@uomisan.edu.iq					
8. Course Objectives					
Course Objectives	1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements				
9. Teaching and Learning Strategies					
Strategy	1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building	The concept of	The study	

2	2	graduates	transportation:	includes	
3	2	intellectually a	• The concept of	examining the	
4	2	cognitively to	transportation is evolving	concepts and	
5	2	fully	• The relationship between	geographic	
6	2	comprehend a	transportation and other	phenomena	
7	2	grasp the	sciences:	related to rural	
8	2	elements that	• Transportation is closely	areas, utilizing	
9	2	integrate	related to other sciences.	various teaching	
10	2	production an		methods such as	
11	2	its inputs	• Elements of transportatio	presentations an	
12	2		and motives for movemen	visual media,	
13	2		• Firstly, transportation	encouraging	
14	2		elements.	discussions and	
15	2		• Secondly, motives for	active interactio	
	2		movement.	among students	
عطلة	2		• The importance of	organizing field	
16	2		transportation:	trips to observe	
17	2		• The significance and	the real-life	
18	2		efficiency of transportatio	context, and	
19	2			conducting	
20	2		• Factors influencing	appropriate	
21	2		transportation geography	assessments to	
22	2		• Firstly, natural factors.	measure studen	
23	2		• Secondly, human factors.	progress.	
24	2				
25	2		• Types of transportation		
26	2		modes:		
27	2		• Firstly, land transportatio		
28	2		(vehicles).		
29	2		• Railways.		
30	2		• Break.		
			• Pipeline transportation.		
			• Water transportation.		
			• River transportation.		
			• Transportation theories.		
			• The concept of trade.		
			• International trade and it		

			advantages. • Domestic trade and its advantages. • Differences between domestic and international trade. • Natural factors influencing trade. • Human factors influencing trade. • Discussion of subject research		
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11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Transportation Geography and International Trade by Dr. Mohammed Azhar Al-Samak, Ahmed Hamed Al-Obaidi, and Dr. Mohammed Hashim.
Main references (sources)	Geographic Research Methods, by Abdulrazzak Mohammed Al-Batayhi
Recommended books and references (scientific journals, reports...)	Lectures in Transportation Geography and International Trade
Electronic References, Websites	

Course Description Form

1. Course Name:	
The environment and pollution	
2. Course Code:	
3. Semester / Year:	
Annual	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: The teacher. "Tahseen Ali Haman." Email: Haman4097@gmail.com	
8. Course Objectives	
Course Objectives	11- 1- Documenting the student's ability to understand environmental geography. 2- Introducing the student to environmental geography and its applications in geography. 3- Defining environmental geography to the student and developing an integrative strategy for its analysis. 4- Increasing the student's ability in the applications of environmental geography. 5- Developing the student's capabilities in spatial analysis methods in population geography. 6- Qualifying specialists in the field of environmental geography and its applications through a comprehensive scientific curriculum that combines theoretical and practical aspects according to the actual needs of the job market
9. Teaching and Learning Strategies	
Strategy	Interactive lectures between students and the professor through distribution of the complete material in printed form, divided into weekly lectures from the beginning of the academic year. The topics are discussed between students and the professor, and a set of questions is provided in each

lecture, formulated to represent the objectives of the lecture material. 7
 answers are discussed with the students. Previous studies related
 environmental geography are also presented. Additionally, students
 assigned to prepare reports on environmental geography and its problem
 forming groups to conduct research and present their findings to the students

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and cognitively to fully comprehend and grasp the elements that integrate production and its inputs	• Concept of the environment, meaning of the environment, components of the environment (human environment, natural environment, social environment, cultural environment), environmental laws, mutual dependence law, stability law of ecological systems. • Understanding the concept of pollution and its impact on health. • Understanding air pollution. • Understanding water pollution. • Understanding soil pollution. • Break (holiday). • Understanding the risk of population growth and impact on the environment. • Understanding noise pollution. • Understanding the risk of radiation pollution and the risks of ozone layer depletion. • Problem of depletion environmental resource and environmental protection	The study includes examining the concepts and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students organizing field trips to observe the real-life context, and conducting appropriate assessments to measure student progress.	
2	2				
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10	2				
11	2				
12	2				
13	2				
14	2				
15	2				
عطلة	2				
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30	2				

			the role of science environmental protection the role of law environmental protection the role of education environmental protection human and environmental future perspectives.		
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11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books any)	1. "Human and Environment: A Study in Environmental Education" by Ratib Salamah Al-Saoudi, 2014. 2. "Environment and Pollution" by Mohammed Ibrahim Hassan, 1995. 3. "Environmental Pollution: The Epidemic of Globalization Era" by Anonymous, 2019 4. "Environmental Science" by Dr. Hussein Al-Sadi.
Main references (sources)	1. "Geography and Environment" by Dr. Mohammed Mahmoud Sulaiman. 2. "Introduction to Environmental Science" by Dr. A Salem Shawara. 3. "Environmental Pollution" by Dr. Naeem Mohammed Ali Al-Ansari. 4. "Geography of Environments" by Mohammed Mahmoud Sulaiman
Recommended books and references (scientific journals, reports...)	.
Electronic References, Websites	

Course Description Form

1. Course Name:					
Geography of Iraq					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Professor Dr. Doha Laibi Al-Sadkhan. Email:					
8. Course Objectives					
Course Objectives		Enhancing students' understanding of the role of oil in the global economy. Introducing students to the importance and role of oil and energy in our lives. Familiarizing students with energy and oil organizations, including OPEC and OAPEC			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strategy			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and	The importance of Iraq geographical location.	The study includes examining the concept	
2	2		Geological and surface	and geographic	
3	2				

4	2	cognitively to fully comprehend and grasp the elements that integrate production and its inputs	structure.	phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real life context, and conducting appropriate assessments to measure students' progress.
5	2		Climate in Iraq.	
6	2		Soil problems in Iraq.	
7	2		Natural vegetation.	
8	2		Population origins.	
9	2		Geographic distribution	
10	2		of the population.	
11	2		Natural factors	
12	2		influencing population	
13	2		distribution.	
14	2		Human factors.	
15	2		Population growth.	
			Natural increase.	
			Desertification.	
Holiday	2		Break.	
17	2			
18	2		Indicators of economic	
19	2		development in Iraq.	
20	2		Development program	
21	2		Agricultural	
22	2		development.	
23	2		Industrial development	
24	2		Quality of life factors.	
25	2		Transportation and	
26	2		trade.	
27	2		Environmental issues	
28	2		Iraq.	
29	2		Desertification.	
30	2		Pollution in Iraq.	
	2		Dust phenomena and	
			salinity	

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books and any)	
Main references (sources)	Al-Shammari, Emad, Doha Al-Sadkhan, Geography of Oil and Gas, 1st edition, Ibn Al-Nafis Publishing House, Jordan - Amman, 2020. Abdulwahab, Abdelmoneim, et al., Geography of Oil and Energy, Dar Al-Nahda Al-Arabiya, 1998. Rashid, Mahdi Ahmed, Geography of Oil and Energy, 1st edition, Dar Al-Janadriyah for Publishing, Printing, and Distribution, Alexandria, 2015.
Recommended books and references (scientific journals, etc.)	

reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:					
Geography of Services.					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: "Assistant Professor "Falah Driwal Ghami					
Email: Falah D.G.@uomisan.edu.iq					
8. Course Objectives					
Course Objectives		1- Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2- Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strategy			
10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation method

		Outcomes			
1	2	Building graduates intellectually and cognitively to fully comprehend and grasp the elements that integrate production and its inputs	Geography of Services	The study includes examining the concept and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real life context, and conducting appropriate assessments to measure students' progress.	
2	2		Concept and Content		
3	2		Concept and Evolution of Geography of Services		
4	2				
5	2		The concept of geography of services and its development.		
6	2				
7	2		The relationship between geography and the study of services.		
8	2				
9	2		Services and urban life in cities.		
10	2				
11	2		Evolution of Service Studies in Geography:		
12	2				
13	2		The geographical methodology in service studies.		
14	2				
15	2				
Holiday	2	Concept of services and the nature of urban services in cities. Spatial framework for studying services. Importance assessment and evaluation of service efficiency. Service Distribution Centers: Concept of service centers. Methods for identifying service centers. Classification of service centers. Regions and hierarchy of service centers. Service Classification: Public services. Community services. Infrastructure services. Urban Service Standards Concept of service standards. Spatial criteria for service provision. Distance criteria for accessibility. Individual share criteria			
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
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27	2				
28	2				
29	2				
30	2				

			Role of master plans in urban service planning Concept of Master Plan Development periods master plans. Incorporating master plans into the concept services. Size of services in master plans. Planning of basic services in cities. Utilizing Modern Technology in Service Research: Use of satellite imagery in service studies. Analysis of satellite imagery for services. Application of Geographic Information Systems (GIS) in service studies. Development of service maps and electronic maps. Methods of analyzing electronic maps.		
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11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books any)	
Main references (sources)	Mamdouh Shaban Dibs, Geographical Services - University of Damascus 2005-2006.
Recommended books and references (scientific journals, reports...)	Bashir Ibrahim Al-Tayf - Mohsin Abdul Ali - Riyadh Kazem Al-Jumayl, Urban Geography - University of Baghdad, 2009.
Electronic References, Websites	

Course Description Form

1. Course Name:					
Political geography.					
2. Course Code:					
3. Semester / Year:					
Annual					
5. Available Attendance Forms:					
In-person only					
6. Number of Credit Hours (Total) / Number of Units (Total)					
60 hours annually. 2 hours per week					
7. Course administrator's name (mention all, if more than one name)					
Name: Professor Dr. Hashem Kazem Subaiechi. Email:					
8. Course Objectives					
Course Objectives		1– Enhancing the intellectual level of graduates and familiarizing them with a comprehensive perspective on the elements of things, their interconnections, and the approaches towards them. 2– Continuing to build the economic mindset of the recipient by shedding light on the complementary elements of the production process and not being limited to its basic elements			
9. Teaching and Learning Strategies					
Strategy		1- Cooperative Concept Mapping: Education Strategy 2- Brainstorming: Education Strategy 3- Observation Chain: Education Strateg			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates	Concept of Political	The study	

2	2	intellectually and	Geography	includes	
3	2	cognitively to fully	Modern Trends in	examining the	
4	2	comprehend and	Political Geography	concepts and	
5	2	grasp the elements	Research Methods in	geographic	
6	2	that integrate	Political Geography	phenomena	
7	2	production and its	Relationship between	related to rural	
8	2	inputs	Geography and Other	areas, utilizing	
9	2		Sciences	various teaching	
10	2		Geopolitics: Concept and	methods such as	
11	2		Types	presentations and	
12	2		Importance of	visual media,	
13	2		Geopolitical Studies	encouraging	
14	2		Evolution of Geopolitics	discussions and	
15	2		Relationship between	active interaction	
			Geography and	among students	
عطلة	2		Geopolitics	organizing field	
16	2		Importance of	trips to observe	
17	2		Geopolitical Studies	the real-life	
18	2			context, and	
19	2		Types of Geopolitics	conducting	
20	2		Applied Studies	appropriate	
21	2		Elements of the State	assessments to	
22	2		and Their Concept	measure student	
23	2		Political Borders	progress.	
24	2		Political Geography and		
25	2		the Global System		
26	2		International Conflict		
27	2		Geopolitical Theories		
28	2		Globalization and Its		
29	2		Concept		
30			Terrorism and Its		
			Concept		
			Electoral Geography		
			Research Methods in		
			Electoral Geography		
			Applied Studies		
			Electoral Geography		

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books if any)	
Main references (sources)	Al-Nafi Al-Qasab and others, Dar Al-Kitab Wal-Tiba'a Wal-Nashr, Mosul. Sabri Fares Al-Hiti, Political Geography with Geopolitics

	Applications, Dar Al-Kitab Al-Jadidah, Beirut, 2000
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name:	
Social Geography	
2. Course Code:	
3. Semester / Year:	
Annual	
5. Available Attendance Forms:	
In-person only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
60 hours annually. 2 hours per week	
7. Course administrator's name (mention all, if more than one name)	
Name: The teacher. "Tahseen Ali Haman." Email: Haman4097@gmail.com	
8. Course Objectives	
Course Objectives	11– Documenting the student's ability to understand Social Geography. 2– Introducing the student to Social Geography and its applications in Geography. 3– Introducing the student to Social Geography and creating an integrated strategy for its analysis. 4– Enhancing the student's ability to apply Social Geography applications. 5– Developing the student's skills in spatial analysis methods in Social Geography. 6– Qualifying specialists in the fields of Social Geography and its applications through a comprehensive scientific curriculum that combines theoretical and practical aspects based on the actual needs of the job market
9. Teaching and Learning Strategies	
Strategy	Interactive sessions between students and the professor can be conducted distributing the course material in a complete printed format, divided in weekly lectures from the beginning of the academic year. The topics are discussed between students and the professor, and a set of questions provided in each lecture, formulated to represent the objectives of the lecture material. The answers are then discussed with the students. Previous studies related to Social Geography are also presented. Additionally, students are assigned to prepare reports on Social Geography and its issues. The students

divided into groups to conduct research and present their findings in front of the class

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Building graduates intellectually and cognitively to fully comprehend and grasp the elements that integrate production and its inputs	- The emergence and evolution of Social Geography. - The concept and definition of Social Geography. - The relationship between Social Geography and other branches of Geography. - The relationship between Social Geography and other disciplines, such as Sociology. - Vacation (Note: This term doesn't seem to be related to the previous topics. Could you please clarify its meaning in this context?) - The relationship between Social Geography and Population Geography. - Social issues, Crime Geography, the relationship between urbanization and crime, the geographical aspect of crime. - The relationship between Social Geography and the phenomenon of crime Geography of poverty, the social effects of poverty, unemployment, divorce	The study includes examining the concepts and geographic phenomena related to rural areas, utilizing various teaching methods such as presentations and visual media, encouraging discussions and active interaction among students, organizing field trips to observe the real-life context, and conducting appropriate assessments to measure student progress.	
2	2				
3	2				
4	2				
5	2				
6	2				
7	2				
8	2				
9	2				
10	2				
11	2				
12	2				
13	2				
14	2				
15	2				
عطلة	2				
16	2				
17	2				
18	2				
19	2				
20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30	2				

11. Course Evaluation

The distribution is as follows: 25 marks for monthly and daily exams in the first semester, 25 marks for monthly and daily exams in the second semester, and 50 marks for final exams.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1. Social Geography: Principles, Foundations, and Applications by Basim Abdulaziz Omar Othman and Hussein Aliwi Nasser, 2014. 2. Social Geography: Concepts and Perspectives Hamdi Al-Tafili, 2009.
Main references (sources)	1. Theoretical Framework and Applications of Social Geography in Arabic by Fathi Muhammad Musaileh, 2002. 2. Introduction to Social Geography by Laila B Saleh Mohammed Zahzouh, 2013
Recommended books and references (scientific journals, reports...)	.
Electronic References, Websites	

Course Description Form

1. Course Name: Geographic thought	
2. Course Code:	
3. Semester / Year: yearly/ 2024–2025	
5. Available Attendance Forms: My presence only	
6. Number of Credit Hours (Total) / Number of Units (Total): ٣/٦٠	
7. Course administrator's name (mention all, if more than one name)	
Name: M.M. Sarah Khamas Jabr Email: sarahkhamas@gmail.com	
8. Course Objectives	
Course Objectives	1– Documenting the student's ability to think geographically. 2– Introducing the student to geographical thought and its uses in geography. 3– Introducing the student to geographical thought and drawing up an integrated strategy for analyzing 4– Increasing the student's ability to apply geographical thought. 5– Developing the student's abilities in spatial analysis methods in geographical thought 6– Qualifying specialists in the fields of geographical thought and its applications through a scientific curriculum that combines theoretical and applied aspects according to the actual needs of the labor market. 7– Training workers in governmental, private, and public academic institutions in related fields and developing their capabilities through organizing

implementing training courses in the fields of geographical thought and its applications.

8- Contributing to enhancing the use of geographical thinking and sensing techniques and their applications for different purposes in different regions.

9. Teaching and Learning Strategies

Strategy	Interactive lectures between the students and the professor by distributing material in full, printed form and divided into weekly lectures from the beginning of the academic year. Topics are discussed between the students and the professor, and a set of questions are asked in each lecture that are formulated in a way that represents the objectives of the lecture material and the answers are discussed with the students, as well as Presenting previous studies related to geographical thought as well as assigning students to prepare a report on scholars of geographical thought by dividing the students into groups for this purpose.
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
١	٢	Knowing the nature of geographical thought and the nature of geographical knowledge	Introduction to geographical thought and its relationship to the development of geography	Lecture and discussion	test
٢	2	Knowledge of regional geography and the relationship of geography to other sciences	The nature of geographical knowledge		
٣	2	Knowledge of the branches of geography	Geography and its relationship to fields of knowledge		
٤	2		Regional concept and regional geography		
٥	2		Human geography		
٦	2		Natural geography	Lecture and discussion	a test
٧	2	Trace the beginning of geographical thought during antiquity	Geographical thought in ancient times		
٨	2	The most important developments that occurred in the science of geography during ancient times,	Geographical thought in Iraqi civilization	Lecture and discussion	a test
٩	2	well as knowledge of the position of the science of geography during ancient civilizations represented	Geographical thought in ancient Egyptian civilization		test
١٠	2	the Iraqi and Egyptian civilizations and other civilizations. As well as knowing the main	Geographical thought in the Phoenician civilization		

١١	2	important intellectual developments that occurred in science of geography during Middle and Modern Ages	Geographical thought in Chinese civilization	Lecture and discussion	
١٢	2		Geographical thought in Indian civilization		
١٣	2		Geographical thought in Roman civilization		
١٤	2		Arab geographical thought before Islam		a test
١٥	2		Arab-Islamic geographical thought until the end of the Ottoman era		
١٦	2		Geographical thought in the Middle Ages	Lecture and discussion	a test
١٧	2		Geographic thought in the modern era (intellectual developments that occurred in the modern era)		test
١٨	2	Knowing the schools of geographical thought, the most important opinions put forward by those schools, the most important scholars of those schools, as well as the most important criticisms directed at those schools. As well as knowledge of modern geography fields	The emergence of schools of thought	Lecture and discussion	
١٩	2		Contemporary geographical thought.		
٢٠	2		Fields of Arab geography (mathematical and astronomical geography)		
٢٢-٢١	٤	Knowing the most important geographical journeys that described the geography of countries, the most important goals and objectives of those journeys and the most important obstacles that the departed faced during the geographical journeys, as well as knowing the most important travelers who undertook the journeys.	Fields of Arab geography (descriptive geography and travel)	Lecture and discussion	
٢٤-٢٣	٤		Fields of Arab Geography (Regional Geography)		a test
٢٦-٢٥	٤		Fields of Arab Geography (Physical Geography)		
٢٨-٢٧	٤		Fields of Arab Geography (Human Geography)		a test
٣٠-٢٩	٤		The emergence of cartography in Arab geography		test

11- Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

1- Daily attendance (5) marks

2- Discussion among students for the purpose of knowing the extent of students' understanding of the lecture material (5) marks.

3- Daily and monthly oral and written exams (40) marks

Final exam (50) marks

12-Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	1-Mohamed Ibrahim Mohamed Sha Geographic Thought, Foundations a Trainings, second edition, Dar Al-Ma'rifa Jami'a for Printing, Publishing and Distributi Alexandria, 2017. 2- Fadeel Abdul Khalil, Ibrahim Al-Mashhad Geographical Thought, Dar Al-Hikma Printing and Publishing, Mosul, 1990.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

Course Description Form

1. Course Name: Geography of natural resources / Third stage
2. Course Code:
3. Semester / Year: Annual Course
5. Available Attendance Forms: Audience in the hall
6. Number of Credit Hours (Total) / Number of Units (Total) : 60 hours
7. Course administrator's name (mention all, if more than one name)
Name: Zahraa Shaker Abboud Email: aalinh90@gmail.com
8. Course Objectives
Course Objectives 1- Raising the intellectual level of graduates and familiarity with a holistic perspective of the elements of things and the links between them and the entrances towards them 2- Completing the economic mentality of the recipient by shedding light on the complementary elements of the production process and not being satisfied with basic elements.
9. Teaching and Learning Strategies
1- Explain the scientific material about the geographical manifestation of the Arab world and its differences between one country and another, clarify the nature of geographical features on the basis of similarities and differences between countries and Iraq to identify its most prominent geographical characteristics. 2- Writing scientific reports on each geographical appearance of the Arab world through library sources and field visits, especially with regard to systems and methods of development about the various characteristics of the homeland. 3- Linking ideas and opinions about the most important natural and

human manifestations of the Arab world and clarifying them through various critical maps to participate with students and exchange their opinions.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
30 week	Two hours week	Building graduates intellectually and cognitively to complete and familiarize themselves with the elements that combine production and its entrances to the scientific material to taught.	Geography of the homeland, location of the Arab world area, surface features, plateaus, plains, mountains, geological age, climate elements, climatic regions, natural vegetation, soil, land and water distribution, water resources..... Agriculture and importance.	1 Explanation of the scientific material by reading geographical applications on the characteristics of the Arab world and its manifestations in terms of tiled roads and crop lengths 2- Writing scientific reports through field observations of students and linking them to the theoretical side 3- Linking theoretical ideas on the subject of the Arab world with practical aspects	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily, oral, monthly, written exams, reports etc

1- Daily attendance (5) degrees

2- Discussion among students for the purpose of knowing the extent to which students comprehend the lecture material (5) degrees.

3- Daily and monthly oral and written exams (40) degrees

Final exam (50) marks.

12. Learning and Teaching Resources

The geography of the Arab world for curriculum scheduled in the fourth stage Written by: Prof. Dr. Bassem Abdel A	Geography Natural resources for students of all institutes and colleges other than specialization according to t
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Omar and Assoc. Prof. Dr. Hussein Ziyadi	prescribed curriculum.
1- Naim Al-Zahir, Geography of the Arab World, Dar Al-Yazoudi for Publishing and Distribution, Amman, Jordan, 2007. 2- Haysen Abdul Qader Saleh, Geography of the Arab World, United Arab Company for Marketing and Supplies, UAE, 2010.	Geography of natural resources Student of all institutes and colleges other than specialization according to the prescribed curriculum Author: Prof. Safaa Abdel Amir Rasham Al-Asadi.
1- Mohamed Mahmoud Mustafa, Geography of the Arab World, Arab Society Library for Publishing and Distribution, Syria, 2015.	Fosool Magazine – Al-Faisal Magazine Knowledge World – Al-Fikr World.
Search engines network in international information / Internet. Sites that specialize in various geographical studies.	Search engines network in international information / Internet. Sites specialized in Arabic studies: Mustafa Library, our Arab Library forums, Dr. Muhammad Saeed Al-Ghanam website, the website of the Faculty of Arabic Language, Al-Azhar University and the research site of the academic scientific journal.

Teaching Name : Assistant Lecturer Zahraa Shaker Aboud