



**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**

**2024**

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## **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 staP 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, quaJerly), 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.

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## Academic Program Description Form

University Name: .... Tikrit.....

Faculty/Institute: .....Arts.....

.Scientific Department: . Geography and Geographic Information Systems

Academic or Professional Program Name: .... Environmental Problems.....

Final Certificate Name: ..... Geography of Iraq.....

Academic System: Annual

Description Preparation Date: 2024-2025

File Completion Date: 16/9/2024

م.د. أوس علي محمد  
رئيس قسم الجغرافيا وتعلم المعلومات الجغرافية

Signature: 

Head of Department Name:

**Dr. Aws Ali Muhammad**

Date: 17-9-2024



Signature: 

Scientific Associate Name:  
**Prof. Dr. Nizar Fadel Hussein**

Date:



he file is checked by: **Khalid E-shahab**  
Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department: Date:  
Signature:



Approval of the Dean

Program vision .١

The Department of Geography and Geographic Information Systems aspires to be one of the best departments in scientific institutions in the field of quality assurance and accreditation, based on the great cognitive service provided by its scientists to the Arab world and the world in its bright scientific history, through providing high-quality scientific programs that explore the cognitive dimension, to explore the solid creative horizon. The department seeks to achieve a pioneering role in the field of education, research and training in geographical sciences and their technologies and to contribute effectively to serving all community issues

Program message .٢

The Department of Geography and Geographic Information Systems / College of Arts seeks to achieve a quality management system in accordance with the international standard (ISO 9001) in all its educational, research and administrative aspects, through planning, organizing, directing and monitoring all activities, to raise the efficiency of members, including members and professors of the Department of Geography and Geographic Information Systems, due to the distinction of this department from other departments of the College of Arts in that it combines three axes of information, curricula and applications specific to its curricula (pure natural sciences, human and social sciences, geographic technologies, geographic information systems and geographic statistics), and adopting their creative ideas motivated by continuous development in light of an appropriate work environment that achieves their job satisfaction to reach

accreditation that guarantees that the institution has achieved the conditions and specifications of the approved quality, in line with the international standards of evaluation institutions, in order to recognize the scientific qualifications of its outputs, and to preserve the cultural and national identity .of our Iraqi society in the face of scientific competition

.٣ Program objectives
<p>١ .Preparing a graduate who has the ability to understand the relationship between the environment and man by studying the interaction between man and his environment, and how man affects the environment through agriculture, industry and urbanization, and how societies adapt. Humanity with environmental conditions such as climate and terrain</p>
<p>٢ .Preparing a graduate who has the ability to analyze the natural and human characteristics of a place using modern technologies such as: remote sensing, geographic information systems, artificial intelligence tools and their spatial modeling, and presenting them in the form of accurate geographical maps that reflect geographic .data in an understandable way</p>
<p>٣ .Preparing a graduate who has the capabilities to diagnose and address contemporary problems and crises related to water resources, soil, climate change, environmental .pollution, migration, housing, disasters, and other fields</p>
<p>٤ .Preparing a graduate who has the ability to apply the theories and concepts of planning for sustainable development, and emphasizing that development is a complex process and a multidimensional phenomenon, including economic, social, environmental, .and institutional indicators</p>

Preparing a graduate who has the ability to integrate theoretical and library aspects, field study results, and advanced technological innovation tools in a harmonious manner to achieve scientific research objectives, and to move away from and overcome the approximate estimation process.

Program accreditation ٤.				
Is the program accredited? And by which authority? No				
Other external influences ٥.				
Is there a sponsor for the program? No				
Program Structure ٦.				
* comments	percentage	Study unit	Number of courses	Program Structure
		١٥٤	١٠	Institutional Requirements
			nothing	College Requirements
			nothing	Department Requirements
			nothing	Summer training
			nothing	Other

.Notes may include whether the course is basic or optional \*

Program Description ٧.				
The first stage				
Credit hours		Course name	Course code	Academic year
practical	theoretical			
	٣	Meteorology and climate science basics		First
١	٢	Fundamentals of		First

		cartography and surveying		
۲	۲	Fundamentals of Remote Sensing and Information Systems		First
	۳	Foundations of geomorphology and geology		First
	۲	Rights and democracy		First
	۲	C. The Old World		First
	۱	Computer		First
	۱	Arabic		First
	۱	English language		First
<b>Phase ۲</b>				
<b>Credit hours</b>		<b>Course name</b>	<b>Course code</b>	<b>Academic year</b>
<b>practical</b>	<b>theoretical</b>			
	۳	Applied climate		Second
۲	۱	Thematic maps		Second
۲	۳	applied geomorphology		Second
۲	۱	Remote sensing applications		Second
	۲	c. new world		Second
	۲	Geographical research methodology and field study		Second
	۲	C. Population		Second
	۱	Arabic		Second
	۱	English language		Second
	۱	Computer		Second
	۱	Crimes of the Moth Party		Second
<b>Stage ۳</b>				
<b>Credit hours</b>		<b>Course name</b>	<b>Course code</b>	<b>Academic year</b>

practical	theoretical			
	٢	C. Agricultural		Third
	٢	C. Services		Third
	٢	C. Medical		Third
	٢	C. Cities		Third
	٢	C. Industrial		Third
	٢	C. Geographical thought		Third
١	٢	Resources Water		Third
	٢	Research methods		Third
١	١	Remote sensing applications		Third
١	١	Field study		Third
	١	English language		Third
Stage Four				
Credit hours		Course name	Course code	Academic year
practical	theoretical			
	٣	C. Political		Fourth
	٤	C. Iraq		Fourth
	٢	Environmental problems		Fourth
	٢	Regional planning		Fourth
	٣	C. Industrial		Fourth
	٣	C. Geographical thought		Fourth
١	٢	Geographic Information Systems		Fourth
	١	English language		Fourth

Expected learning outcomes of the program .^	
Knowledge	
.١ Providing students with experience in thinking and analysis .	
.٢ Providing students with the ability to identify the problem of the phenomenon, its results, and .how to treat it	



Gain experience in drawing maps using different programs, including geographic information .۳ systems
<b>Skills</b>
Theoretical aspect: learning about different geographical sciences, including natural (climate, .۱ .geomorphology) and human sciences (Population, politics, cities) and other geographic sciences
Practical aspect: Applications on the possibility of drawing and representing maps using .۲ various means, including the use of geographic information systems, as well as knowledge of .statistical analysis
<b>Values</b>
.Enabling students to understand the material theoretically and practically .۱
.Enabling students to think and analyze to reach correct conclusions .۲
.Enabling students to prepare good scientific reports .۳

<b>Teaching and learning strategies</b> .۹
.Using modern methods in teaching the subject .۱
Using technological means to present scientific material, including data shows and .۲ .PowerPoint
.Conduct field visits to review the topics studied by geography .۳

<b>Evaluation methods</b> .۱۰
Daily assessment from discussion + daily exams + monthly exams + practical • assignments and faculty reports

Faculty .١١					
Faculty members					
Position	Specialization	General specialization	Academic Rank	Instructor's name	T
	C. Agricultural	Human Geography	.Mr	Dr. Dhafer Ibrahim Taha	١
	Hydromorphology	Physical Geography	.Mr	Dr. Latif Muzail Saleh	٢
	C. Cities	Human Geography	.Mr	Dr. Manhal Abdullah Hammadi	٣
	C. Agricultural	Human Geography	.Mr	Dr. Adnan Attia Mohammed	٤
	C. Geographical thought	Human Geography	.Mr	Dr. Mohammed Fazaa Obaid	٥
	C. Political	Human Geography	assistant professor	Dr. Khata B Saad Muhaimid	٦
	C. Climate	Physical Geography	assistant professor	D. Ahmed Dr. Abdel Ghafour Khattab	٧
	C. Climate	Physical Geography	assistant professor	Dr. Hamad H. Hamoudi Sheet	٨
	Geomorphology	Physical Geography	assistant professor	Dr. Mohammed Najm Khalaf	٩
	C. Soil	Physical	assistant	Dr. Taghray D. Khalil	١٠

		Geography	professor	Muhammad	
	C. Cities	Human Geography	assistant professor	Dr. Saad Y. Abdullah Ahmed	١١
Postgraduate Course	Maps and Geographic Information Systems	Physical Geography	assistant professor	Dr. Faeq Hassan Muhaimid	١٢
	maps	Physical Geography	assistant professor	Dr. Aziz Ibrahim Ali	١٣
	Geographic Information Systems	Human Geography	assistant professor	D. Nour Fanar Abdel Baqi	١٤
Head of Department	C. Desertification and environment	Physical Geography	Doctor teacher	Dr. Aws Ali Mohammed	١٥
	maps	Physical Geography	Doctor teacher	Dr. Ibrahim M. Hussein Ali	١٦
	C. Industrial	Human Geography	Teacher	Faten Saadoun Aboud	١٧
	C. Political	Human Geography	Assistant Professor	Ahmed Allawi's obstacle	١٨
	C. Tourism	Human Geography	Assistant Professor	In the name of Helou Mohammed	١٩
	C. Climate	Physical Geography	Assistant Professor	Marouj Taher Noman	٢٠
	maps	Human Geography	Assistant Professor	Saad Thamer Ibrahim	٢١
	C. Political	Human Geography	Assistant Professor	Age Shaker Mohammed	٢٢
Department decision	C. Climate	Physical Geography	Assistant Professor	Omar Ahmed Awad	٢٣
	C. Population	Human Geography	Assistant Professor	Zainab Jamal Noman	٢٤
	C. Agricultural	Human Geography	Assistant Professor	Ali Faeq Mashal	٢٥
	Rights and democracy	law	Doctor	Maha Haji Shaheen	٢٦

			teacher		
<b>Professional development</b>					
<b>Orientation of new faculty members</b>					
١. Involve them in some committees ٢. Involve them in courses ٣. Encourage them to conduct scientific research					
<b>Professional development for faculty members</b>					
١. Involving them in scientific and administrative committees ٢. Involve them in courses ٣. Encourage them to conduct scientific research					
<b>Acceptance Criteria ١٢</b>					
١. Central acceptance by the Ministry of Higher Education ٢. Acceptance from the preparatory school certificate in both its branches (literary and scientific)					
<b>The most important sources of information about the program ١٣</b>					
١. Modern Arabic and English scientific sources ٢. Arabic and English scientific journals ٣. Professors' experience over the years					
<b>Program development plan ١٤</b>					
١. Preparing a program to develop teaching staff by supporting and increasing development .courses, and aligning with international universities ٢. Preparing a program to develop curricula by preparing new and advanced curricula, relying on .technological development, especially (artificial intelligence) ٣. Preparing final stage student projects, which include laboratory work, field visits, collecting information, preparing statistics, and presenting the results in the form of reports prepared for the .department, which aim to prepare the student to integrate into the labor market ٤. Preparing a program to develop publishing and scientific research by participating in courses					

on publishing in Clarivate and Scopus containers and relying on modern scientific ideas  
 The possibility of cooperation with many institutions, including the General Authority for  
 Meteorology, the Ministry of Planning, Statistics Department. And the Department of Information  
 Systems.

## Course Description Form

: Course name .١	
Geography of Iraq	
: Course code .٢	
: Chapter / Year .٣	
Annual Schedule	
: Date this description was prepared .٤	
٢٠٢٤/١٦/٩	
: Available attendance forms .٥	
fourth-year students according to the weekly lesson schedule prepared by the department head	
:Number of study hours (total) / Number of units (total) .٦	
hours ٦٠	
Name of the course administrator (if more than one name is .٧ (mentioned	
<b>Dr. Aws Ali Mohammed</b>	
Course objectives .٨	
	The aim of this course is to study Iraq from all natural, economic and human aspects
Teaching and learning strategies .٩	
	Learn how to know Geography of Iraq according to the lecture system, and the Digital technologies, maps and the use of use of electronic boards and CDs

modern programs in representing the surface of Iraq, its divisions and administrative units

**Course structure .١٠**

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions	Theoretical/ Discussion	Study of Iraq's geographical location and the geological composition of the land	<b>Geographical location and land structure</b>	٢	١
Discussion and general questions	Theoretical/ Discussion	Study of the surface sections of Iraq	<b>Surface</b>	٢	٢
Discussion and general questions	Theoretical/ Discussion	Identify the nature of the prevailing climate	<b>Climate</b>	٢	٣
Discussion and surprise exam	Theoretical/ Discussion	Learn about the soils of Iraq and their geographical distribution	<b>soil</b>	٢	٤
General questions and discussion	Theoretical/ Discussion	Surface and groundwater in Iraq	<b>Water Resources - Water Sources</b>	٢	٥
General questions	Theoretical/ Discussion	Study of the most important dams, reservoirs and water projects	<b>Dams and water projects</b>	٢	٦
Discussion and general questions	Theoretical/ Discussion	Study of the geographical distribution of natural plants in Iraq	<b>Natural vegetation - Natural vegetation areas</b>	٢	٧
Discussion and general questions	Theoretical/ Discussion	Learn about economic activity in Iraq	<b>Economic activity - Agriculture - Grains</b>	٢	٨
<b>First month test for the first semester</b>				١	٩
discussion	Theoretical/ Discussion	Study of the most important crops of grains, fruits and vegetables	<b>Industrial crops</b>	٢	١٠
General questions and discussion	Theoretical/ Discussion	Study of animal production and its importance	<b>Animal production</b>	٢	١١
Discussion questions	Theoretical/ Discussion	Economic sector study	<b>Mineral wealth</b>	٢	١٢

General questions and discussion	Theoretical/ Discussion	Study of the most important oil ports	<b>Oil export ports - types of industries</b>	٢	١٣
General questions, discussion and daily test	Theoretical/ Discussion	Study of internal and external trade in Iraq	<b>commerce</b>	٢	١٤
General questions and discussion	Theoretical/ Discussion	Humidity measuring instruments	<b>Characteristics of Iraq's foreign trade</b>	٢	١٥
General questions and discussion	Theoretical/ Discussion	Learn about the most important transportation methods in Iraq	<b>Types of transportation methods</b>	٢	١٥
General questions and discussion	Theoretical/ Discussion	Study of roads and railways	<b>Land transport</b>	٢	١٦
Second month test for the first semester					١٧
General questions and discussion	Theoretical/ Discussion	Identify air and sea routes	<b>Air and sea transport</b>	٢	١٨
General questions, discussion and surprise exam	Theoretical/ Discussion	The concept of tourism	<b>Tourism</b>	٢	١٩
General questions and discussion	Theoretical/ Discussion	How the tourism sector develops	<b>Arena development</b>	٢	٢٠
General questions and discussion	Theoretical/ Discussion	Learn about tourist and archaeological sites in Iraq	<b>Tourist places</b>	٢	٢١
First month test for the second semester				١	٢٢
Daily discussion and quiz	Theoretical/ Discussion	Study of the population of Iraq, its growth and customs	<b>Population</b>	٢	٢٣
Discussion and general questions	Theoretical/ Discussion	Iraq population growth study	<b>population growth</b>	٢	٢٤
Discussion and general questions	Theoretical/ Discussion	Study of the geographical distribution of the population	<b>Population distribution</b>	٢	٢٥
Discussion and general questions	Theoretical/ Discussion	Study of population structures in Iraq	Population composition	٢	٢٦
Discussion and general questions	My research/discussion	Preparing reports	Preparing reports	٢	٢٧

Second month test for the second semester		٢	٣١
<p><b>The grade is distributed out of ١٠٠ according to the tasks assigned to the student, such as daily .etc, preparation , daily and monthly exams , practical exams</b></p>			
<b>Learning and teaching resources .١١</b>			
Geography of Iraq	Required textbooks (methodology if any)		
Natural geography of Iraq	Main References (Sources)		
Regional Geography of Iraq	Recommended supporting books and references (scientific journals, reports, (.etc		
Arab Geographers Forum Internet Statistical data issued by the Ministry of Planning	Electronic references, websites		



## Course Description Form

: Course name .١٢	
Environmental problems	
: Course code .١٣	
Environmental science and its problems	
: Chapter / Year .١٤	
Annual Schedule	
: Date this description was prepared .١٥	
٢٠٢٤/١٦/٩	
: Available attendance forms .١٦	
fourth-year students according to the weekly lesson schedule prepared by the department head	
:Number of study hours (total) / Number of units (total) .١٧	
hours ٦٠	
Name of the course administrator (if more than one name is .١٨ (mentioned	
<b>Dr. Aws Ali Mohammed</b>	
Course objectives .١٩	
	The aim of this course is to introduce the student to environmental problems, the concepts of problems, and the methods of solving and treating them
Teaching and learning strategies .٢٠	
	Learn how to know Environmental science and its problems according to the lecture system, and the use of digital technologies, maps of electronic boards and CDs and the use of modern programs in representing environmental problems
Course structure .٢١	

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions	Theoretical/Discussion	Climate change caused by industrial activities	Climate change caused by industrial activities	۲	۱
Discussion and general questions	Theoretical/Discussion	Global warming	Global warming	۲	۲
Discussion and general questions	Theoretical/Discussion	acid rain	Types of rain	۲	۳
Discussion and surprise exam	Theoretical/Discussion	Ozone layer depletion	Troposphere layer	۲	۴
General questions and discussion	Theoretical/Discussion	Solutions to the problem of ozone layer depletion	Layers of the atmosphere	۲	۵
General questions	Theoretical/Discussion	Definition of desertification and its dimensions	Desertification concept	۲	۶
Discussion and general questions	Theoretical/Discussion	Causes of desertification	Desertification factors	۲	۷
Discussion and general questions	Theoretical/Discussion	Desertification distribution	Geographical distribution of deserts	۲	۸
First month test for the first semester				۱	۹
discussion	Theoretical/Discussion	Remote sensing and desertification	Definition of sensing	۲	۱۰
General questions and discussion	Theoretical/Discussion	Combined international efforts to combat desertification	Methods and solutions to treat desertification	۲	۱۱
Discussion	Theoretical	Degradation of	dynamic balance of	۲	۱۲

questions	I/Discussion	the environment and marine resources	the environment		
General questions and discussion	Theoretical/Discussion	marine ecosystem	marine ecological balance	۲	۱۳
General questions, discussion and daily test	Theoretical/Discussion	Negative environmental impacts on marine materials	Problems facing marine yields	۲	۱۴
General questions and discussion	Theoretical/Discussion	Destruction of wetlands (coastal)	Wetland demolition treatment	۲	۱۵
General questions and discussion	Theoretical/Discussion	Efforts to protect the marine environment	Ways and solutions to problems	۲	۱۵
General questions and discussion	Theoretical/Discussion	Agricultural development and its environmental dimensions	Agricultural development concept	۲	۱۶
Second month test for the first semester					۱۷
General questions and discussion	Theoretical/Discussion	Negative environmental impacts of agricultural projects	Modern methods for agricultural projects	۲	۱۸
General questions, discussion and surprise exam	Theoretical/Discussion	Deterioration of education and means of controlling erosion	Addressing soil degradation and developing plans for solutions to degradation	۲	۱۹
General questions and discussion	Theoretical/Discussion	forest degradation	Reducing forest degradation	۲	۲۰
General questions and discussion	Theoretical/Discussion	sustainable development	The concept of sustainable development in its	۲	۲۱

			general sense		
First month test for the second semester				۱	۲۲
Daily discussion and quiz	Theoretical/Discussion	Resource conservation and ecological concepts	Natural resource conservation methods	۲	۲۳
Discussion and general questions	Theoretical/Discussion	Ecosystem structure	the ecosystem	۲	۲۴
Discussion and general questions	Theoretical/Discussion	Geography and Natural Resources Conservation	Geography and resource conservation concept	۲	۲۵
Discussion and general questions	Theoretical/Discussion	Views on the environment	Linking environmental perspectives	۲	۲۶
Discussion and general questions	Theoretical/Discussion	Resource Maintenance Concepts	Resource maintenance methods	۲	۲۷
General questions and discussion	Theoretical/Discussion	Maintenance movements and their development	The nature of the maintenance movement and its development	۲	۲۸
General questions and discussion	Theoretical/Discussion	Increased interest in environmental issues at the global and regional levels	Environment and global concern for environmental problems	۲	۲۹
General questions and discussion	Theoretical/Discussion	Renewable resources conservation objectives	Identify the objectives and maintenance of renewable resources	۲	۳۰
Second month test for the second semester				۱	۳۱
Course Evaluation				.۲۲	
The grade is distributed out of ۱۰۰ according to the tasks assigned to the student, such as daily .etc, preparation , daily and monthly exams , practical exams					
Learning and teaching resources				.۲۳	

environmental problems and natural resource conservation	Required textbooks (methodology if any)
Geography of desertification	Main References (Sources)
environment problems and solutions, contemporary environmental problems	Recommended supporting books and references (scientific journals, reports, (.etc
‘Arab Geographers Forum Internet United Nations Environment Programme data	Electronic references, websites

## Course Description Form

### Course Description

This course description provides a concise summary of the main features of the course and the learning outcomes expected of the student, demonstrating whether the student has made the most of the learning opportunities available. It must be linked to the programme description

Tikrit University / College of Arts Khattab Saad Muhaimid	Educational institution .١
Department of Geography and Geographic Information Systems	Scientific Department / .٢ Center
geopolitics	Course Name/Code .٣

Attendance according to the weekly class schedule prepared by the department head	Available attendance forms .ξ
Annual Schedule	Chapter/Year .ο
٩٠	Number of study hours .٦ (total)
٢٠٢٥/٢٧/١	Date this description was .٧ prepared
Course objectives .^	
<p>The aim of this course is to introduce the student to the concept of political geography and geopolitics, the nature of the state and its components, and the factors affecting its power, and to enable the student to identify the problems that countries suffer from from a political geography perspective, and to help decision-makers overcome the obstacles of influence, control, and possibility in the field of .power and geopolitics</p>	

Course outcomes , teaching and learning methods and assessment .٩
<p>A- Cognitive objectives</p> <p>.The student learns about the concept of political geography -</p> <p>A٢- Identifying the concept of geopolitics and its relationship to political .geography</p> <p>A٣- Introducing the student to the concept of state power and methods of .quantitatively measuring state power</p> <p>Aξ- The student learns about the main components of the state's natural, human and .economic strength</p> <p>Aο- Introducing the student to the state, its components, political borders, problems, .types and classification</p> <p>A٦- Introducing the student to the strategy and theories related to state power and .the impact of each of the theories in the field of geopolitics</p>

<p>. B - Course specific skill objectives  B<sup>1</sup> - Scientific Reports  B<sup>2</sup> - Graduation research  B<sup>3</sup> - Benefit from information in the field of work</p>
Teaching and learning methods
<p>.Questions and interrogation during daily lectures - 1  .tests Daily assignments and - 2  .Guiding students to benefit from external resources available around the course - 3</p>
Evaluation methods
<p>The student's commitment to the deadlines for submitting reports and - 1  .assignments assigned to him and respecting their deadlines  .Daily applications and duties - 2  .Continuous semester and weekly exams - 3  Student participation in the classroom and serious discussion shows the extent - 4  .of the student's interest and his attempt to bear responsibility</p>
<p>C- Emotional and value-based goals  A<sup>1</sup> - Giving the student opportunities for dialogue and discussion during the .lesson  A<sup>2</sup>- Enhancing the student's ability to perform assignments and adhere to their .deadlines  A<sup>3</sup>- Encouraging the student to benefit from the available means  A<sup>4</sup>- Developing the student's ability to find appropriate solutions to any problem . he encounters</p>
Teaching and learning methods
<p>.Discussion and interrogation - 1  .tests Daily assignments and - 2  .Guiding students to benefit from external resources available around the course - 3</p>
Evaluation methods
<p>The student's commitment to the deadlines for submitting reports and - 1  .assignments assigned to him and respecting their deadlines  .Daily applications and duties - 2  .Continuous semester and weekly exams - 3  Student participation in the classroom and serious discussion shows the extent - 4</p>

.of the student's interest and his attempt to bear responsibility

D - General and transferable skills ( other skills related to employability and  
(personal development

.D<sup>١</sup> - Raising the level of students' ability to deal with modern learning methods

.D<sup>٢</sup> - Enhancing the student's ability to discuss and engage in constructive dialogue

D<sup>٣</sup> - Encouraging the student to have access to the resources available in libraries  
and the Internet on the subject

.D<sup>٤</sup> - Developing the student's ability to deal with various media



## Course Description Form

Course name : Industrial Geography .٢٤	
EWG3302 : Course code .٢٥	
Semester / Year : Annual .٢٦	
Date of preparation of this description : ١٠/٥/٢٠٢٤ .٢٧	
In-person hall: Available attendance forms .٢٨	
:Number of study hours (total) / Number of units (total) .٢٩	
Name of the course supervisor (if more than one name is mentioned) : Ms. .٣٠ Faten Saadoun About	
Course objectives .٣١	
<ul style="list-style-type: none"> <li><b>Gaining the ability and knowledge of the philosophy and concept . of industrial geography</b></li> <li><b>Identify the most important industrial branches and the principles . of industrial geography</b></li> <li><b>Scientific analysis for selecting suitable industrial sites, taking advantage of theoretical proposals and experiments. Scientific in . determining the location of the industrial project</b></li> </ul>	Subject objectives
Teaching and learning strategies .٣٢	
<ul style="list-style-type: none"> <li><b>Developing students' ability to understand the factors that contributed to industrial . development</b></li> <li><b>Developing students' knowledge of industrial theoretical principles and foundations .</b></li> <li><b>Developing students' scientific analysis of industrial sites .</b></li> <li><b>Testing students' mental skills on theories of industrial localization .</b></li> <li><b>Developing students' ability to scientifically analyze economics Industrial . localization</b></li> </ul>	Strategy

Course structure .۳۳					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Discussion and general questions	Theoretical/Discussion	Industry, its characteristics and stages of development	Industry definition	۳	۱
Discussion and general questions	Theoretical/Discussion	primitive industry, simple industry, modern industry, competition of industrialized countries	Industry patterns	۳	۲
Discussion and general questions	Theoretical/Discussion	Its development, functions and research methods in industrial geography	Development of industrial geography	۳	۳
Discussion and surprise exam	Theoretical/Discussion	Considerations for choosing the optimal industrial site and the main and secondary localization factors Raw materials	Factors affecting industrial localization	۳	۴
General questions and discussion	Theoretical/Discussion	Capital, transportation and transportation jobs	Basic factors of industrial localization	۳	۵
General questions	Theoretical/Discussion	Labor force, classification of industries according to the importance of work and workers' wages, energy sources	factors of Basic industrial localization	۳	۶
Discussion and general questions	Theoretical/Discussion	Wood - Wind and Direct Water	Energy sources	۳	۷

	on	Energy - Coal			
		First month test for the first semester			۸
discussion	Theoretical/Discussion	Oil and natural gas Electricity	Energy sources	۳	۹
General questions and discussion	Theoretical/Discussion	Market, industrial policy and personal desires	Basic factors of industrial localization	۳	۱۰
Discussion questions	Theoretical/Discussion	land, water, climate	Secondary factors of industrial localization	۳	۱۱
General questions and discussion	Theoretical/Discussion	Weber, Kristaller, Rostrum theory	Industrial localization theories	۳	۱۲
General questions and discussion	Theoretical/Discussion	Norcliffe's Industrial Place Theory	Industrial localization theories	۳	۱۳
			Second month test for the first semester		۱۴
General questions and discussion	Theoretical/Discussion	Industrial localization and industrial regions in Western Europe	Major industrial regions	۳	۱۵
			Chapter Two		
General questions	Theoretical/Discussion	Agricultural development and	Industrial regions in	۳	۱۶

and discussion	on	its environmental dimensions	Germany		
General questions and discussion	Theoretical/Discussion	Traditional industry, mechanical industry, large industries	Types of industrial activity		۱۷
General questions, discussion and surprise exam	Theoretical/Discussion	Machinery and transportation equipment	Engineering Industries Machinery and Transportation Equipment		۱۸
General questions and discussion	Theoretical/Discussion	Heavy chemicals, fine chemicals	Chemical industries		۱۹
General questions and discussion	Theoretical/Discussion	Oil industry features	Features of the oil industry		۲۰
			First month test for the second semester		۲۱
General questions, discussion and surprise exam	Theoretical/Discussion	Oil refining and refining stages	Oil refining industry		۲۲
General questions and discussion	Theoretical/Discussion	Ease of transportation, international agreements, advertising of commercial goods	International trade in industrial goods		۲۳

General questions and discussion	Theoretical/Discussion	Western Europe, North America, Eastern Europe, Japan	major business areas		٢٤
General questions and discussion	Theoretical/Discussion	Iron and steel industry, factors that led to the growth of the iron and steel industry	Main Industries		٢٥
Course Evaluation					.٣٤
<p>The student's commitment to the deadlines for submitting reports and assignments - ١          .assigned to him and respecting their deadlines          .Daily applications and duties - ٢          .Continuous semester and weekly exams - ٣          Student participation in the classroom and serious discussion shows the extent of the - ٤          .student's interest and his attempt to bear responsibility</p>					
Learning and teaching resources					.٣٥
Industrial Geography		Required textbooks (methodology if any)			
Planning and development		Main References (Sources)			
		Recommended supporting books and references (scientific journals, reports, etc.)			
With internet data		Electronic references, websites			

## Course Description Form

.٣٦ Course name : Geographic Information Systems (GIS)	
: Course code .٣٧	
Semester / Year : Annual .٣٨	
Date of preparation of this description 2024-2025 .٣٩	
Faeq Hassan Muhaimid	
.٤٠ Available forms of attendance : theoretical lectures, practical applications, field studies, e-learning	
.٤١ Number of study hours (total) / number of units (total): ٤ hours (theoretical: ٢,٢ (practical: ٢,٢)	
.٤٢ Name of the course administrator (if more than one name is mentioned)	
.٤٣ Course objectives	
	<p>Introducing students to the basic concepts of Geographic Information Systems (GIS) and their applications.</p> <ul style="list-style-type: none"> <li>• Develop geographic data analysis skills using GIS software.</li> <li>• Enabling students to create and analyze digital maps.</li> <li>• Application of remote sensing techniques and coordinate systems in geographical studies.</li> <li>• Preparing students to use geographic information systems in the fields of urban planning, environment, and natural resource management.</li> </ul>
.٤٤ Teaching and learning strategies	
	<ul style="list-style-type: none"> <li>• For theory lectures: Presenting key concepts using presentations and interactive maps.</li> <li>• Practical labs: Training students on GIS software such as QGIS and ArcGIS.</li> <li>• Applied projects: implementing field studies and analyzing real data.</li> <li>• E-learning: Using specialized platforms such as Coursera and ESRI Training.</li> <li>• Workshops and field training: Developing practical skills through partnerships with</li> </ul>

	.specialized institutions				
<b>Course structure</b> .٤٥					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions	Lectures + discussions	GIS Introduction to	Learn the basics of geographic information systems	2	1
<b>Course Evaluation</b> .٤٦					
<p>The evaluation is based on several criteria to ensure the achievement of learning outcomes, including:</p> <ul style="list-style-type: none"> <li>• Theoretical tests to measure academic understanding</li> <li>• Practical assessment through students' performance in laboratories</li> <li>• in real-GIS Research and applied projects that reflect the student's understanding of the use of</li> <li>• world problems</li> <li>• Assignments and reports to measure the student's ability to apply theoretical concepts</li> <li>• practically</li> <li>• Participate in discussions and presentations to measure critical thinking and scientific</li> <li>• communication</li> </ul>					
<b>Learning and teaching resources</b> .٤٧					
Public lectures			Required textbooks (methodology if any)		
			Main References (Sources)		
RI and "International Journal of GIS " Scientific articles published in specialized reports			Recommended supporting books and references scientific journals, reports, ) (.etc		
<ul style="list-style-type: none"> <li>• :Electronic references</li> <li>• .ESRI website: www.esri.com</li> <li>• .QGIS website: www.qgis.org</li> <li>• ESRI Train and edX ,Coursera :E-learning platforms</li> </ul>			Electronic references, websites		

### Course Description Form

hg[yvhtdm hg'fdm : Course name	.٤٨
: Course code	.٤٩
Semester / Year : Annual	.٥٠
١١/١٦/٢٠٢٤ : of preparation of this description	.٥١
According to the weekly class schedule : Available forms of attendance prepared by the department head	.٥٢
Number of study hours (total) / Number of units (total): ٩٠	.٥٣
Name of the course supervisor (if more than one name is mentioned): Ms. Ms. Zainab Jamal Naaman	.٥٤
Course objectives	.٥٥
<p>The aim of this course is to introduce the student to the concept of medical geography, its importance, objectives, and research methods, the relationship between the environment and human health, the impact of climate phenomena resulting from air pollution on the</p>	



Environment and humans, and the impact of medical laboratory experiments on humans and the environment

Teaching and learning strategies .٥٦

- ١- Give the student opportunities for dialogue and discussion during the lesson
- ٢- Enhancing the student's ability to perform assignments and adhere to their deadlines
- ٣- Encouraging the student to benefit from the available means
- ٤- Developing the student's ability to find appropriate solutions to any problem he encounters

Course structure .٥٧

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions	theoretical/Discussion	definition of some concepts	Medical geography concept	٤	١
Discussion and general questions	theoretical/Discussion	Medical geography, its development and research methods	Research Methods in Geography	٤	٢
Discussion and general questions	theoretical/Discussion	relationship between environment and human health	The impact of the environment on health man	٤	٣
Discussion and surprise	theoretical/Discussion	air pollution and its risks to man	effect of pollution on the layer Ozone	٤	٤

exam					
General questions and discussion	theoretical/Discussion	Water pollution	effect of pollution on health man	ε	ο
General questions	theoretical/Discussion	impact of climate and variables Climate on health	weather and climate relationship In human health	ε	ϕ
Discussion and general questions	theoretical/Discussion	impact of natural disasters	Nino phenomenon and its impact On human health	ε	ψ
Discussion and general questions	theoretical/Discussion	Flood risks on Human health	impact of floods on Human health	ε	χ
		effect of earthquakes on health man	Associated damages For earthquakes	ε	ϑ
exam	exam	exam	exam	ε	ι.
General questions and discussion	theoretical/Discussion	relationship between hurricanes and health man	origin of the hurricane and modern hurricanes	ε	κ
Discussion questions	theoretical/Discussion	effect of drought on health man	Effects of drought And its cases	ε	λ

General questions and discussion	theoretical/Discussion	The impact of wars on Human health	Weapons used In wars	ε	١٣
General questions, discussion and daily test	theoretical/Discussion	Types of chemical weapons and their effects On the human	Use of gases During wars	ε	١٤
General questions and discussion	theoretical/Discussion	Effect of wrong practices On human health	The role of man in Spread of diseases	ε	١٥
General questions and discussion	theoretical/Discussion	Smoking and its bad effects On human health behavior and the environment	Smoking and its effect on Human health	ε	١٥
General questions and discussion	theoretical/Discussion	Effect of drugs on health man	Concept of drugs and abuse drugs and their types	ε	١٦
	second month for the first semester	Effect of trade laboratory experiments On the human	Conducting tests Medical	ε	١٧
exam	exam	exam	exam	ε	١٨

General questions, discussion and surprise exam	theoretical/Discussion	management of wastewater Healthy Waste treatment	Sewage Waste management	ε	۱۹
General questions and discussion	theoretical/Discussion	Common non-epidemic diseases	Factors that help Diabetes	ε	۲۰
General questions and discussion	theoretical/Discussion	Common diseases	Obesity and overweight diseases the weight	ε	۲۱
General questions and discussion	theoretical/Discussion	Infectious epidemic diseases	Cholera disease Symptoms and methods of infection	ε	۲۲
Daily discussion and quiz	theoretical/Discussion	Infectious epidemic diseases	Malawi disease	ε	۲۳
exam	exam	exam	exam	ε	۲۴
Discussion and general questions	theoretical/Discussion	Spread of diseases	Cancer concept Cause and treatment	ε	۲۵

Discussion and general questions	theoretical/Discussion	Maintaining human health	importance of public health	٤	٢٦
Discussion and general questions	theoretical/Discussion	role of Islam and its teachings in maintaining health and individual	The role of Islam in Disease treatment	٤	٢٧
General questions and discussion	theoretical/Discussion	Methods of care and preservation health	use of modern technologies reasonably	٤	٢٨

Course Evaluation .٥٨

.Participate in the classroom -١  
.Classroom activities and assignments performed by the student -٢

Exams

Learning and teaching resources .٥٩

Medical Geography Dr. Abdul Rahman Mohammed Al Hassan -١	Required textbooks (methodology if any)
Health Geography Dr. Khalaf Hussein Ali Al-Dulaimi -١	Main References (Sources)
Medical Geography Dr. Abdul Rahman Mohammed Al Hassan -١	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites



## Course Description Form

Course name : Services Geography .٦٠	
٥٠٩٠٣٤٠١٣ : Course code .٦١	
Semester / Year : Annual .٦٢	
Date of preparation of this description : ١/٢٨/٢٠٢٥ .٦٣	
Daily / except Friday, Saturday and official : Available attendance forms .٦٤ holidays	
Number of study hours (total) / Number of units (total): Total number of .٦٥ hours (٦٠) hours / Total number of units (١٢٠) units	
Name of the course administrator (if more than one name is .٦٦ : (mentioned	
Prof. Dr. Manhal Abdullah Hammadi	
Course objectives .٦٧	
<p>The course aims to introduce, enable, : • clarify and enlighten students on Identify the general foundations, concepts and theoretical frameworks Identify the . • of service geography geographical factors affecting the distribution of services and their uses Varying at .in different environments . the international and local levels Identifying the problems of spatial • distribution of services, their causes Building a basic .. • and solutions database to be used in planning Enhancing students' . • services</p>	<p>The teacher will follow ) Strategy Between strategy and the blending it</p>

<p>abilities to criticize and analyze the  Enabling • . subject of services  students to know how to conduct field  Following modern . • studies  technology methods in studying  . • service projects and problems  Developing students' sense of  responsibility during the study and  Possessing self- . • work period  management skills and the ability to  manage one's own time and work  Scheduled dates within</p>	
Teaching and learning strategies .٦٨	
	<p>Meeting strategy and its •  forms..... (lecture, explanation,  Discussion ). • description, story  . • and interrogation strategy  Effective questions strategy,  Active . • classroom questions  learning strategies, and I will  choose strategies from them  . • according to the lecture topic  • . Design and application strategy  Practical presentation strategy  Mixing different ). • applied)  strategies according to the type of  . lecture</p>



10. بنية المقرر :					
طريقة التقييم	طريقة التعلم	اسم الوحدة او الموضوع	مخرجات التعلم المطلوبة	الساعات	الأسبوع
اختبار تكويني	اللقاء والمناقشة والاستجواب	جغرافية الخدمات مفهومها وتطورها	تذكر والفهم والاستيعاب	4	2 + 1
اختبار شفوي	اللقاء والمناقشة والاستجواب	علاقة الجغرافية بدراسة الخدمات	التذكر والفهم والاستيعاب	4	4 + 3
اختبار تكويني	الاسئلة الفعالة والصفية	الخدمات الحضرية في المدن	التذكر والفهم والاستيعاب	4	6 + 5
اختبار	اللقاء والمناقشة والاستجواب	مصادر البيانات المتعلقة	التذكر والفهم	4	8 + 7

تكويني		بالخدمات	والاستيعاب		
<b>امتحان تحريري من ( 10 )</b>					
اختبار شفوي	المزج بين الاستراتيجيات	مفهوم الخدمة و طبيعة الخدمات	التذكر والفهم والاستيعاب	4	10 + 9
اختبار شفوي	اللقاء والمناقشة والاستجواب	الاطار المكاني للخدمة وكيفية تقييم كفاءتها	التذكر والفهم والاستيعاب	4	12 + 11
اختبار تكويني	الاسئلة الفعالة والصفية	مفهوم المركز الخدمي وتحديد	التذكر والفهم والاستيعاب	4	14 + 13
اختبار شفوي	المزج بين الاستراتيجيات	تصنف مراكز الخدمات الى رئيسية وثانوية وفي الضواحي	التذكر والفهم والاستيعاب	4	16 + 15
<b>امتحان تحريري من ( 10 )</b>					
اختبار تكويني	العروض العملية التطبيقية	تصنيف خدمات المدن	التذكر والفهم والاستيعاب	4	18 + 17
اختبار شفوي	المزج بين الاستراتيجيات	معايير الخدمات الحضرية	التذكر والفهم والاستيعاب	4	20 + 19
اختبار شفوي	الاسئلة الفعالة والصفية	دور المخططات الاساسية في تخطيط الخدمات	التذكر والفهم والاستيعاب	4	22 + 21
بطاقة ملاحظة	المزج بين الاستراتيجيات	توظيف التقنية الحديثة في الخدمات وتوظيف في دراسة GIS خدمات	التذكر والفهم والاستيعاب	4	24 + 23

		الخدمات					
<b>امتحان تحريري من ( 10 )</b>							
شفوي + تكويني	المزج بين الاستراتيجيات	نظريات توزيع المراكز الخدمية	التذكر والفهم والاستيعاب	4	26 + 25		
اختبار تطبيقي	العروض العملية التطبيقية	دراسة خرائط الخدمات	التذكر والفهم والاستيعاب	4	28 + 27		
شفوي + تكويني	استراتيجية التصميم والتطبيق	مشاكل ومعوقات اشباع الحاجات الانسانية	التذكر والفهم والاستيعاب	4	30 + 29		
<b>امتحان تحريري من ( 10 )</b>							
<b>11. تقييم المقرر :</b>							
الدرجة النهائي	درجة الدفتري	درجة السعي	الفصل الدراسي الثاني		الفصل الدراسي الاول		توزيع الدرجات
			الامتحان الثاني	الامتحان الاول	الامتحان الثاني	الامتحان الاول	
			10	10	10	10	
100	60	40	20		20		
<b>Learning and teaching resources ٦٩.</b>							
<b>geography Services</b>				Required textbooks (methodology if any)			
<b>Geography The services To Dr. D ▪ - Mazen Abdulrahman Al- Hiti Dr. Mohsen slave Ali - Dr. Riad The beautiful Geography Services For the doctor ▪ . Fouad son Angry Planning Urban For the doctor ▪ . behind Hussein on</b>				Main References (Sources)			

<b>Magazines : Magazine Al-Farahidi</b> <b>College of Arts - College of Education</b> <b>- Magazine For science Humanity</b> <b>Tikrit University</b> <b>Reports : Writing Research on ▪</b> <b>. Vocabulary Services Cities</b> <b>Periodicals : Review Periodicals in ▪</b> <b>. Libraries Central</b>	Recommended supporting books and references (scientific journals, reports, etc.)
<b>Sites on network The Internet Special</b> <b>Cities And its services</b>	Electronic references, websites

### Course Description Form

: Course name .٧٠	
Applications in Geographic Information Systems	
: Course code .٧١	
Chapter / Year .٧٢	
annual	
: Date this description was prepared .٧٣	
٢٠٢٤/١٥/٩	
: Available attendance forms .٧٤	
:Number of study hours (total) / Number of units (total) .٧٥	
.hours each week, totaling (٩٠) hours (٣)	
Name of the course administrator (if more than one name is .٧٦	
(mentioned	
Asst. Prof. Dr. Aziz Ibrahim Ali Obaid	
Course objectives .٧٧	
able the student to create an integrated database	dent knowledge of the importance of geographic information systems and their functions
is used to analyze spatial, descriptive and .quantitative data	.Its applications and uses

Teaching and learning strategies .٧٨					
abling the student to create linked -٢ .information layers Database through practical applications			able the student to use more than -١ .one program r mapping and matching with visuals		
Course structure .٧٩					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
<b>Discussion and applications</b> Daily test	theoretical practical	importance of systems and their uses	Information systems applications Geography	٣	١
<b>Discussion and applications</b> Daily test	theoretical practical	Stages of building geographic information systems	Information systems applications Geography	٣	٢
<b>Discussion and applications</b> Daily test	theoretical practical	Data processing	Information systems applications Geography	٣	٣
<b>Discussion and tests</b> Daily test	theoretical practical	Various uses Software advantages	Uses of systems Information	٣	٤
<b>Discussion and applications</b> Daily test	theoretical practical	Spatial data vehicles	Uses of systems Information	٣	٥
<b>Discussion and applications</b> Daily test	theoretical practical	separate model And the caller	ypes of data models	٣	٦
<b>Discussion and</b>	theoretical	a collection and	GIS Jobs	٣	٧

<b>applicat ions Daily test</b>	practical	storage			
<b>Discuss ion and applicat ions Daily test</b>	theoretical practical	alysis and display operations And the output	GIS Jobs	٣	٨
<b>Discuss ion and applicat ions Daily test</b>	theoretical practical	Save and analyze information Display and draw information	Benefits of using systems Geographic information	٣	٩
<b>Discuss ion and applicat ions Daily test</b>	theoretical practical	Troubleshooting and issuing right decisions	Benefits of using systems Geographic information	٣	١٠
<b>Discuss ion and applicat ions Daily test</b>	theoretical practical	Survey data installation	Data structure	٣	١١
<b>Discuss ion and applicat ions Daily test</b>	theoretical practical	Linear data structure	Data structure	٣	١٢
		Monthly exam	Monthly exam		١٣
<b>Discuss ion and applicat ions</b>	theoretical practical	From surveying to linear And vice versa	Convert models	٣	١٤

<b>Daily test</b>					
<b>Discussion and applications Daily test</b>	theoretical practical	Models between negatives And the positives	Pros Cons Models	۳	۱۵
<b>Discussion and applications Daily test</b>	theoretical practical	Accuracy and efficiency of content reliability and suitability	Source Evaluation Criteria Spatial data	۳	۱۶
<b>Discussion and applications Daily test</b>	theoretical practical	Network installation In information systems	Network representation	۳	۱۷
<b>Discussion and applications Daily test</b>	theoretical practical	Time representation path Place in systems	Spatial changes Dynamic	۳	۱۸
<b>Discussion and applications Daily test</b>	theoretical practical	Local and spatial sources	Spatial data sources	۳	۱۹
<b>Discussion and applications Daily test</b>	theoretical practical	Maps of all kinds	Spatial data sources	۳	۲۰
<b>Discussion and applications</b>	theoretical practical	Satellite data	Spatial data sources	۳	۲۱

<b>ions Daily test</b>					
<b>Discussion and applications Daily test</b>	theoretical practical	the cosmic system and stations Monitoring	Importance of data remote sensing	۳	۲۲
<b>Discussion and applications Daily test</b>	theoretical	The goal of building a base Geographic data	geodatabase	۳	۲۳
		Monthly exam	Monthly exam		۲۴
<b>Discussion and applications Daily test</b>	theoretical practical	rule design requirements Data	geodatabase	۳	۲۵
<b>Discussion and applications Daily test</b>	practical theoretical	Database components Geography	geodatabase	۳	۲۶
<b>Discussion and applications Daily test</b>	theoretical practical	biological matching operations	Spatial analysis	۳	۲۷
<b>Discussion and applications Daily</b>	theoretical practical	Create domains digital elevation model	installation method	۳	۲۸



<b>test</b>					
<b>Discussion and applications Daily test</b>	theoretical practical	ivation of regression maps hill shadow maps	Network structure	۳	۲۹
<b>Discussion and applications Daily test</b>	theoretical practical	opping and Systems Modeling Information	aps and projections	۳	۳۰
<b>Course Evaluation .۸۰</b>					
(Practical + Theoretical)					
First semester (۲۰) Second semester (۲۰) End of year (۶۰) and the evaluation is a passing grade of )۵۰(					
<b>Learning and teaching resources .۸۱</b>					
lications in Information Systems, Ali Abdul Abbas ۲۰۰۹			Required textbooks (methodology if any)		
ormation Systems Applications, -۱ .Najib Al-Zaidi, ۲۰۰۸ nciples of map making, -۲ .Muhammad Al-Nasir Imran			Main References (Sources)		
llow developments by following the web Remote sensing centers			Recommended supporting books and references (scientific journals, reports, etc.)		
Websites related to maps and systems Reports prepared by student teachers			Electronic references, websites		

### Course Description Form

<b>Course Name : Research Methods .۸۲</b>
<b>: Course code .۸۳</b>

Semester / Year : Annual .٨٤	
Date of preparation of this description : ١٠/١/٢٠٢٤ .٨٥	
In-person: Available attendance forms .٨٦	
Number of study hours (total) / (٢) Theoretical Number of units (total): ٤ .٨٧	
Name of the course supervisor ( Prof. Dr. Adnan Attia Muhammad ) .٨٨	
Course objectives .٨٩	
	student learns about the concept of scientific research and ethics and is trained on how to obtain information, use .sources, and prepare scientific research
Teaching and learning strategies .٩٠	
	eractive scientific participation in the ssroom and classroom activities on program's vocabulary and training ld visits, in addition to written tests, d then preparing scientific research. eractive scientific participation in the ssroom and classroom activities on program's vocabulary and training ld visits, in addition to written tests, and then preparing scientific research
Course Evaluation .٩١	
Students' commitment to submitting reports and assignments assigned to them and respecting their deadlines	
Learning and teaching resources .٩٢	
-	Required textbooks (methodology if any)

<p>Scientific Research Methods: Foundations and Applications, Muhammad Azhar Saeed Al-Samak, Dar Al-Yazouri, Jordan, ٢٠١١</p>	<p>Main References (Sources)</p>
<p>Assistant in preparing scientific research and theses, Ibrahim Muhammad Khafajah, ١st ed., Dar Tuwaiq for Publishing and Distribution, Riyadh, ٢٠٠٨</p>	<p>Recommended supporting books and references (scientific journals, reports, etc.)</p>
<p>-</p>	<p>Electronic references, websites</p>

### Course Description Form

<p>Course name : Agricultural Geography .٩٣</p>
<p>: Course code .٩٤</p>
<p>Semester / Year : Annual .٩٥</p>
<p>Date of preparation of this description : ١٠/٣/٢٠٢٤ .٩٦</p>
<p></p>

Attendance according to the weekly class : Available forms of attendance .٩٧ .schedule prepared by the department head					
Number of study hours (total) / Number of units (total): ٩٠ hours .٩٨					
Name of the course supervisor (if more than one name is .٩٩ mentioned): Prof. Dr. Dhafer Ibrahim Taha					
Course objectives .١٠٠					
The aim of this course is to introduce the student to the concept of agricultural geography as a branch of geography, its study methods, the geographical factors affecting agricultural production worldwide, and the most important requirements .for these products					
Teaching and learning strategies .١٠١					
.Give the student opportunities for dialogue and discussion during the lesson -١ Enhancing the student's ability to perform assignments and adhere to their -٢ .deadlines .Encouraging the student to benefit from the available means -٣ Developing the student's ability to find appropriate solutions to any problem he -٤ .encounters					
Course structure .١٠٢					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watch es	The week
General questions	Theoretical/ Discussion	The concept of agricultural geography	Agricultural Geography	٢	١
Discussion and general questions	Theoretical/ Discussion	The emergence of agricultural centers	Agricultural Geography	٢	٢
Discussion and general questions	Theoretical/ Discussion	The relationship of agricultural geography to other branches	Agricultural Geography	٢	٣
Discussion and surprise exam	Theoretical/ Discussion	The relationship between agricultural geography and other	Agricultural Geography	٢	٤

		sciences			
General questions and discussion	Theoretical/ Discussion	Agricultural Geography Study Methods	Agricultural Geography	۲	۵
General questions	Theoretical/ Discussion	The importance of agricultural geography	Agricultural Geography	۲	۶
Discussion and general questions	Theoretical/ Discussion	Natural factors affecting agricultural production	Agricultural Geography	۲	۷
Discussion and general questions	Theoretical/ Discussion	Surface and its relation to agricultural production	Agricultural Geography	۲	۸
	exam	exam	Agricultural Geography	۲	۹
discussion	Theoretical/ Discussion	Climatic conditions and their relationship to agriculture	Agricultural Geography	۲	۱۰
General questions and discussion	Theoretical/ Discussion	Soil and its relationship to agricultural production	Agricultural Geography	۲	۱۱
Discussion questions	Theoretical/ Discussion	Human factors and their relationship to agricultural production	Agricultural Geography	۲	۱۲
General questions and discussion	Theoretical/ Discussion	Characteristics of agricultural production	Agricultural Geography	۲	۱۳
General questions, discussion and daily test	Theoretical/ Discussion	Agricultural production patterns	Agricultural Geography	۲	۱۴
General questions and discussion	Theoretical/ Discussion	Agricultural production classification	Agricultural Geography	۲	۱۵
exam	exam	exam	Agricultural Geography	۲	۱۵
۳۰					

Course Evaluation ١٠٣	
.Participate in the classroom -٣ Classroom activities and assignments performed by the -٤ student Exams -٥	
Learning and teaching resources ١٠٤	
Agricultural Geography, written by Nouri Khalil Al-Barazi and Ibrahim Abdul Jabbar Al-Mashhadani, ٢٠٠٠	Required textbooks (methodology if any)
Agricultural Geography, written by Kazem Abbadi Al-Jassem, ٢٠١٥	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

### Course Description Form

Course name : Urban Geography ١٠٥
: Course code ١٠٦
Semester / Year : Annual ١٠٧
Date of preparation of this description : ١٠/٣/٢٠٢٤ ١٠٨
Attendance according to the weekly class : Available forms of attendance ١٠٩ .schedule prepared by the department head
Number of study hours (total) / Number of units (total): ٩٠ hours ١١٠
Name of the course supervisor (if more than one name is ١١١)

mentioned): Asst. Prof. Dr. Saadi Abdullah Ahmed

Course objectives .١١٢

The aim of this course is to introduce the student to the concept of urban geography, its importance and objectives, the internal structure of the city and its theories, land uses, tidal classification, sizes and functions of cities, city problems, regional relations between the city and the countryside, and the economic basis of the city.

Teaching and learning strategies .١١٣

- ١- Give the student opportunities for dialogue and discussion during the lesson
- ٢- Enhancing the student's ability to perform assignments and adhere to their deadlines
- ٣- Encouraging the student to benefit from the available means
- ٤- Developing the student's ability to find appropriate solutions to any problem he encounters

Course structure .١١٤

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watch es	The week
General questions	Theoretical/ Discussion	Definition of some concepts related to the city	Urban geography concept	٤	١
Discussion and general questions	Theoretical/ Discussion	Natural, military, political, administrative and religious factors	The role of Arabs in choosing the locations of cities	٤	٢
Discussion and general questions	Theoretical/ Discussion	Public roads and detailed roads	Research methods in urban geography	٤	٣
Discussion and surprise exam	Theoretical/ Discussion	Location, position, and types of cities, locational and positional	The foundations on which the city is distinguished from the village	٤	٤
General questions and discussion	Theoretical/ Discussion	Concentric circle theory, sector theory, and multiple nuclei theory	The internal structure of the city and its theories	٤	٥
General questions	Theoretical/ Discussion	Central and decentralized power	City internal installation controls	٤	٦
Discussion and general questions	Theoretical/ Discussion	Commercial use	Land uses in the city	٤	٧

Discussion and general questions	Theoretical/ Discussion	Residential use	Land uses in the city	ε	۸
			First month test for the first semester	۱	۹
discussion	Theoretical/ Discussion	Industrial use	Land uses in the city	ε	۱۰
General questions and discussion	Theoretical/ Discussion	Recreational use	Land uses in the city	ε	۱۱
Discussion questions	Theoretical/ Discussion	Use of transportation within the city	Land uses in the city	ε	۱۲
General questions and discussion	Theoretical/ Discussion	Cities classification	Cities classification	ε	۱۳
General questions, discussion and daily test	Theoretical/ Discussion	City Jobs	City Jobs	ε	۱۴
General questions and discussion	Theoretical/ Discussion	City sizes	City sizes	ε	۱۵
General questions and discussion	Theoretical/ Discussion	The economic basis of the city	The economic basis of the city	ε	۱۵
General questions and discussion	Theoretical/ Discussion	Pollution problem	City problems	ε	۱۶
Second month test for the first semester					۱۷
General questions and discussion	Theoretical/ Discussion	Water problem	City problems	ε	۱۸
General questions, discussion and surprise exam	Theoretical/ Discussion	Education problem	City problems	ε	۱۹
General questions and discussion	Theoretical/ Discussion	Health problem	City problems	ε	۲۰
General questions and discussion	Theoretical/ Discussion	sewerage problem	City problems	ε	۲۱
			First month test for the second semester	۱	۲۲
Daily	Theoretical/	Electricity problem	City problems	ε	۲۳



discussion and quiz	Discussion				
Discussion and general questions	Theoretical/ Discussion	Entertainment problem	City problems	٤	٢٤
Discussion and general questions	Theoretical/ Discussion	transportation problem	City problems	٤	٢٥
Discussion and general questions	Theoretical/ Discussion	Waste collection service problem	City problems	٤	٢٦
Discussion and general questions	Theoretical/ Discussion	concentric circle theory	concentric circle theory	٤	٢٧
General questions and discussion	Theoretical/ Discussion	City dwellers	City dwellers	٤	٢٨
General questions and discussion	Theoretical/ Discussion	City Morphology	City Morphology	٤	٢٩
General questions and discussion	Theoretical/ Discussion	Agricultural, administrative, commercial, industrial and cultural relations	Regional relations between the city and the countryside	٤	٣٠
Second month test for the second semester					
Course Evaluation .١١٥					
.Participate in the classroom -٦ Classroom activities and assignments performed by the -٧ student Exams -٨					
Learning and teaching resources .١١٦					
Geography of cities / Sabry Faris Al-Hiti			Required textbooks (methodology if any)		
Urban Geography / Saleh Falih Hassan			Main References (Sources)		
Urban Geography / Dr. Yahya Al-Farhan and his colleagues			Recommended supporting books and references (scientific journals, reports, etc.)		
			Electronic references, websites		

## Course Description Form

Course Name : Geographical Research Methodology and Field Study .١١٧	
: Course code .١١٨	
Semester / Year : Annual .١١٩	
Date of preparation of this description : ١٠/١/٢٠٢٤ .١٢٠	
In-person: Available attendance forms .١٢١	
Number of study hours (total): ٣ (٢) theoretical + (١) practical Number of .١٢٢ units (total): ٥	
Name of the course supervisor ( Prof. Dr. Adnan Attia Muhammad ) .١٢٣	
Course objectives .١٢٤	
	student learns about the concept of scientific research and ethics and is trained on how to obtain information, use .sources, and prepare scientific research
Teaching and learning strategies .١٢٥	
	eractive scientific participation in the ssroom and classroom activities on program's vocabulary and training ld visits, in addition to written tests, d then preparing scientific research. eractive scientific participation in the ssroom and classroom activities on program's vocabulary and training ld visits, in addition to written tests, and then preparing scientific research
Course Evaluation .١٢٦	

Students' commitment to submitting reports and assignments assigned to them and respecting their deadlines	
Learning and teaching resources .١٢٧	
-	Required textbooks (methodology if any)
-	Main References (Sources)
Scientific Research Methods: Foundations and Applications, Muhammad Azhar Saeed Al-Samak, Dar Al-Yazouri, Jordan, ٢٠١١	
-	Recommended supporting books and references (scientific journals, reports, etc.)
Scientific Research Methods: Foundations and Applications, Muhammad Azhar Saeed Al-Samak, Dar Al-Yazouri, Jordan, ٢٠١١	
-	Electronic references, websites

### Course Description Form

: Course name .١٢٨
Thematic maps
: Course code .١٢٩
: Chapter / Year .١٣٠
annual
: Date this description was prepared .١٣١
٢٠٢٥/١/١٥
: Available attendance forms .١٣٢
:Number of study hours (total) / Number of units (total) .١٣٣
.hours each week, totaling (٩٠) hours (٣)
Name of the course administrator (if more than one name is .١٣٤
(mentioned
Asst. Prof. Dr. Aziz Ibrahim Ali Obaid

Course objectives .١٣٥					
making the student able to prepare the graduation research		student's knowledge of the importance of maps, their concept and classification			
the student learns about the development of mapping methods		identifying the most important systems studied in thematic maps			
Teaching and learning strategies .١٣٦					
rapid questioning using brainstorming method		enable the student to use more than one program			
Making the student able to dialogue in more than one way		directing students to benefit from external resources			
Course structure .١٣٧					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
<b>Daily discussion and tests</b>	theoretical	Definition of maps, their concept and classification	Map classification	٣	١
<b>Daily discussion and tests</b>	theoretical practical	Types of measurements	Statistical measurements	٣	٢
<b>Daily discussion and tests</b>	theoretical	Absolute and derived statistics	Statistics	٣	٣
<b>Daily discussion and tests</b>	theoretical practical	Dot symbols	How to locate On the maps	٣	٤
<b>Daily discussion and tests</b>	theoretical practical	Linear symbols	How to locate On the maps	٣	٥
<b>Daily discussion and tests</b>	theoretical practical	Survey symbols	How to locate On the maps	٣	٦
<b>Daily</b>	theoretical	Sports applications	Mapping applications	٣	٧

<b>discuss ion and tests</b>	practical				
<b>Daily discuss ion and tests</b>	theoretical practical	mbol classification concept	Classification	۳	۸
<b>Daily discuss ion and tests</b>	theoretical practical	thods of constructing triangle maps Divided	presenting triangles	۳	۹
<b>Daily discuss ion and tests</b>	theoretical practical	ilding relative jam maps	presenting the jams	۳	۱۰
<b>Daily discuss ion and tests</b>	theoretical practical	Building cube maps	Cube representation	۳	۱۱
<b>Daily discuss ion and tests</b>	theoretical practical	Assembled cube maps	Cube representation	۳	۱۲
		Monthly exam	Monthly exam		۱۳
<b>Daily discuss ion and tests</b>	theoretical practical	flowchart maps	Line Maps	۳	۱۴
<b>Daily discuss</b>	theoretical practical	Single motion maps	Line Maps	۳	۱۵

<b>ion and tests</b>					
<b>Daily discussion and tests</b>	theoretical practical	omposite motion maps	Line Maps	۳	۱۶
<b>Daily discussion and tests</b>	theoretical practical	ypes of approved statistics	Coroblith Maps	۳	۱۷
<b>Daily discussion and tests</b>	practical	Ways to build it	Coroblith Maps	۳	۱۸
<b>Daily discussion and tests</b>	theoretical	Pros and cons of maps Coroblith	Coroblith Maps	۳	۱۹
<b>Daily discussion and tests</b>	theoretical practical	Applications in maps decimetric	Desimetric maps	۳	۲۰
<b>Daily discussion and tests</b>	practical	Building ۳D Maps	۳D Maps	۳	۲۱
<b>Daily discussion and tests</b>	practical	Building ۳D Maps	۳D Maps	۳	۲۲
<b>Daily discuss</b>	theoretical	Building a connected cartogram	Cartogram maps	۳	۲۳

<b>ion and tests</b>					
		Monthly exam	Monthly exam		۲۴
<b>Daily discussion and tests</b>	theoretical practical	Building a separate cartogram	Cartogram maps	۳	۲۵
<b>Daily discussion and tests</b>	theoretical practical	Building a cartogram	Cartogram maps	۳	۲۶
<b>Daily discussion and tests</b>	theoretical	Uses and cons of cartogram	Cartogram maps	۳	۲۷
<b>Daily discussion and tests</b>	theoretical practical	Relative circles method	Circle maps	۳	۲۸
<b>Daily discussion and tests</b>	theoretical practical	Divided circles method	Circle maps	۳	۲۹
<b>Daily discussion and tests</b>	theoretical practical	Bisecting circles method	Circle maps	۳	۳۰
<b>Course Evaluation .۱۳۸</b>					
(Practical + Theoretical)					
First semester (۲۰) Second semester (۲۰) End of year (۶۰) and the evaluation is a passing grade of ۵۰.(					
<b>Learning and teaching resources .۱۳۹</b>					

ematic Maps, Falah Shaker Aswad ١٩٩١	Required textbooks (methodology if any)
ntour Maps, Ahmed Ahmed -١ Mustafa, ١٩٨٧ nciples of map writing, -٢ .Muhammad Al-Nasir Imran	Main References (Sources)
me published applied references -١ in the field of maps .On the Internet deo teaching practical lessons -٢ .prepared by the instructor	Recommended supporting books and references (scientific journals, reports, etc.)
Websites related to maps and systems ports prepared by faculty and students	Electronic references, websites

### Course Description Form

Course name : English Poetry .١٤٠
: Course code .١٤١
Semester / Year : Annual .١٤٢
Date this description was prepared .١٤٣ ٢٠٢٤/١٦/٩
: Available attendance forms .١٤٤
Number of study hours (total) / Number of units (total): ٩٠/٥ .١٤٥
Name of the course administrator (if more than one name is .١٤٦ (mentioned
Prof. Latif Muzail Saleh



<b>Course objectives .١٤٧</b>					
Participation in the classroom -١ Classroom activities and assignments performed by the student -٢ Guiding students to benefit from external resources available around the -٣ .course					
<b>Teaching and learning strategies .١٤٨</b>					
Cognitive objectives through studying hydrology and its importance in the sustainability of -١ .life The interrelationship in the study of water resources and its relationship to geography -٢ Rationalization of consumption and ways to preserve it -٣ .Study the importance of water for the life of living organisms -٤ Using sources, research and the Internet to access valuable information about water -٥ .resources Using artificial intelligence to stimulate ideas -٦- Students' activity in their personal efforts -٦ in lectures and seminars Scientific reports-٧ Scientific research -٨ .The importance of the topic as it is the talk of the hour and the coming war -٩					
<b>Course structure .١٤٩</b>					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Exams and questions	Theoretical and field	How to study it as a water resource	Resources Geography	2+2 2+1	1
<b>Course Evaluation .١٥٠</b>					

Learning and teaching resources .١٥١	
Dr. ' Geography of Water Resources -١ Hassan Abu Samar and Dr. Hamed Al- Khatib, ١٩٩٩, First Edition, Safa Publishing House - Amman	Required textbooks (methodology if any)
Geography of Water Resources: A -٢ Contemporary Study, Foundations and Applications. Professor Dr. Fathi Al- Turkmani. Saudi House for Publishing and Distribution. Jeddah ٢٠٠٥	Main References (Sources)
Books related to the study of water resources	Recommended supporting books and references (scientific journals, reports, etc.)
Artificial Intelligence Social Media -٣	Electronic references, websites

### Course Description Form

Course name : Geomorphology .١٥٢
: Course code .١٥٣

Semester / Year : Annual .١٥٤					
Date this description was prepared .١٥٥					
٢٠٢٤/١٦/٩					
: Available attendance forms .١٥٦					
Number of study hours (total) / Number of units (total): ٩٠/٥ .١٥٧					
Name of the course administrator (if more than one name is .١٥٨ (mentioned					
Assistant Professor Dr. Mohammed Najm Khalaf					
Course objectives .١٥٩					
Introducing the student to the geomorphology of landforms and how to study them in a classical, manual and practical way using computers, using modern technologies					
Teaching and learning strategies .١٦٠					
Continuous tests, some of which are daily or weekly, urging students to use additional resources and benefit from the available information, classroom activities					
Course structure .١٦١					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions =	Theoretical/Discussion =	How it developed as an independent science How to study it as a resource	Geomorphology Resources definition and types	٢+٢ ١+٢	١
Discussion and general questions =	Theoretical/Discussion =	How rocks are formed How it was formed, extracted and exploited	The most important rocks and the reasons for their formation  Rocks as a natural resource	٢+٢ ١+٣	٢ ٢
Discussion and general questions =	Theoretical/Discussion =	How to study the various types of influential forces Soil as a natural resource	Forces affecting the formation of the Earth's surface features Soil as a natural resource	٢+٢ ١+٣	٣ ٣

Discussion and surprise exam =	Theoretical/Discussion =	Slopes and their types Natural plant as a natural resource	Slopes Natural plant	۲+۲ ۱+۳		۴ ۴
General questions and discussion =	Theoretical/Discussion =	Methods of identifying and analyzing sectors Types of soils, factors of their formation, problems and solutions	Terrain sectors Soil as a natural resource	۲+۲ ۱+۲		۵ ۵
General questions =	Theoretical/Discussion =	Morphology of sectors Resources as a natural resource	Geomorphological features within the sector Water Resources	۲+۲ ۱+۲		۶ ۶
Discussion and general questions =	Theoretical/Discussion =	Presenting and discussing field research =	Discussion sessions Discussion sessions	۲+۲ ۱+۲		۷ ۷
Discussion and general questions =	Practical Discussion/ =	Field visit Field visit	Field visit Field visit	۲+۲ ۱+۲		۸ ۸
First semester test based on two exams				۱		۹ ۹
discussion =	Theoretical/Discussion =	Chemical and physical weathering Distribution of weeds in the world	Weathering Weeds and their distribution	۲+۲ ۱+۲		۱۰ ۱۰
General questions and discussion =	Theoretical/Discussion practical	Physical and chemical weathering phenomena The most important resources and their distribution within the map	The most important aspects of weathering Distribution of resources within the world map	۲+۲ ۱+۲		۱۱ ۱۱
Discussion questions practical	practical practical	Computer Use Practical Applications Practical applications for resource distribution and soil mapping	Practical applications of extracting regression Practical applications	۲+۲ ۱+۲		۱۲ ۱۲
General questions and discussion	Practical Discussion/ =	Application of sector study according to equations and computer methods	Quantitative and computational methods for studying sectors	۲+۲		۱۳ ۱۳
General questions,	Theoretical/Discussion	Definition of erosion Water resources and their	erosion Water resources	۲+۲ ۱+۲		۱۴ ۱۴

discussion and daily test	on	types	distribution			
General questions and discussion =	Theoretical/Discussion =	Identify the types of erosion Identify the relationship between water resources and population concentration	Types of erosion The role of water resources in settlement	۲+۲ ۱+۲	۱۵	۱۵
General questions and discussion	Theoretical/ Practical	The role of rainfall erosion and how to measure it How to identify and map water resources	The most important manifestations resulting from rain erosion Water resources mapping	۲+۲ ۱+۲	۱۶	۱۵
General questions and discussion =	Theoretical/Discussion =	What is river erosion and how is it measured How to use water	River erosion Use of water resources	۲+۲ ۱+۲	۱۷	۱۶
First month test for the second semester					۱۸	۱۷
General questions and discussion =	Theoretical/Discussion practical	How wave erosion occurs and the most important manifestations resulting from it Methods followed to invest water in the world	Wave erosion How to develop water investment	۲+۲ ۱+۲	۱۹	۱۸
General questions and discussion =	Theoretical/Discussion =	How glacial erosion occurs and its most important manifestations How to develop water exploitation methods	Glacial erosion Wrong methods and treatment methods	۲+۲ ۱+۲	۲۰	۱۹
Practical tests	practical	Detecting types of erosion using computer programs Information Systems	River erosion and how to show it on maps	۲+۲	۲۱	۲۰
Practical tests	practical practical	Using topographic maps to extract the river network Using GIS software to analyze land cover	How to extract the river network Methods used to determine land covers	۲+۲ ۱+۲	۲۲	۲۱
Course Evaluation					۱۶۲	

The student's commitment to submitting reports and assignments assigned to him and respecting their deadlines -٥ -٦ .Daily applications and duties	
Learning and teaching resources .١٦٣	
Applied Geomorphology - Mohammed Hussein Khalaf	Required textbooks (methodology if any)
Principles of Geomorphology, -١ Hassan Sayed Ahmed Abu Al-Anin, University Culture Foundation, ١٤th ed., .١٩٩٥	Main References (Sources)
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

### Course Description Form

Course Name : Human Rights and Democracy .١٦٤
: Course code .١٦٥
Semester / Year : Annual .١٦٦
Date of preparation of this description ٢٠٢٤/٢٠٢٥ .١٦٧
: Available attendance forms .١٦٨
:Number of study hours (total) / Number of units (total) .١٦٩
Name of the course administrator (if more than one name is .١٧٠

(mentioned Maha Haji					
Course objectives .۱۷۱					
Teaching and learning strategies .۱۷۲					
Course structure .۱۷۳					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Course Evaluation .۱۷۴					
Learning and teaching resources .۱۷۵					
			Required textbooks (methodology if any)		
			Main References (Sources)		
			Recommended supporting books and references (scientific journals, reports, etc.)		
			Electronic references, websites		

## Course Description Form

### Course Description

This course description provides a concise summary of the main features of the course and the learning outcomes expected of the student, demonstrating whether the student has made the most of the learning

. opportunities available. It must be linked to the programme description



Course structure . ۱۰					
Evaluation method	Teaching method	Unit name/topic	Required learning outcomes	Watches	The week
General questions	Theoretical/ Discussion	Stages of Earth's development and the formation of continents	Knowing the evolution of the Earth and the formation of continents	۲	۱
Discussion and general questions	Theoretical/ Discussion	Location and area of Asia	Knowing the geographical location of the continent of Asia and the importance of this location	۲	۲
Discussion and general questions	Theoretical/ Discussion	Structure and terrain	Study of the geological structure and topography of Asia	۲	۳
Discussion and exam	Theoretical/ Discussion	Climate of Asia	Learn about the continent's climate conditions	۲	۴
General questions and discussion	Theoretical/ Discussion	Climate regions of the continent	Knowing the characteristics of the continent's climatic regions	۲	۵
General questions	Theoretical/ Discussion	Natural plant	Study of plant regions and their characteristics	۲	۶
Discussion and general questions	Theoretical/ Discussion	Water Resources	Knowledge of the continent's water resources and their sources	۲	۷
Discussion and general questions =	Theoretical Discussion/ =	Population	Study of the characteristics of the population of the Asian continent	۲	۸
First month test				۲	۹
discussion	Theoretical/ Discussion	Agricultural production	Identify agricultural production types	۲	۱۰
General	Theoretical/ Discussion	Mineral wealth	Study of the most		۱۱

questions and discussion	Discussion		important minerals and their geographical distribution on the continent	۲	
Discussion questions	theoretical	Europe: Location and Area	Identify the characteristics of the geographical location and area of the continent of Europe	۲	۱۲
			Monthly exam/first semester	۱	۱۳
General questions, discussion and daily test	Theoretical/ Discussion	Topography of the continent	Study of the topographical characteristics of the European continent	۲	۱۴
General questions and discussion	Theoretical/ Discussion	Climate of the continent	Learn about the climate of the continent	۲	۱۵
General questions and discussion	theoretical	Climate regions of Europe	Study the most important climatic regions on the continent and learn the characteristics of each region	۲	۱۶
General questions and discussion	Theoretical/ Discussion	Natural plant	Know the geographical distribution of natural plants in the continent	۲	۱۷
General questions and discussion	Theoretical/ Discussion	Water Resources	Study of water resources and their sources	۲	۱۸
General questions and discussion	Theoretical/ Discussion	People of the continent	Study of the characteristics of the continent's population	۲	۱۹
discussion	theoretical	Agricultural production	Knowing the most important agricultural	۲	۲۰

			products on the continent and their geographical distribution		
			Monthly Exam/Second Semester	١	٢١
Study of mineral wealth and its types Mineral wealth theoretical discussion				٢	٢٢
discussion	theoretical	Africa: Location and Area	Study of the geographical and astronomical location and area of the African continent	٢	٢٣
Discussion and testing	theoretical	Geology and topography of the continent	Learn about the geological structure and topography of the .continent	٢	٢٤
discussion	theoretical	Climate	Study of the climatic characteristics of the continent	٢	٢٥
discussion	theoretical	Climate regions	Knowing the climate regions and their characteristics	٢	٢٦
Discuss and map	theoretical	Natural vegetation and water resources	Study of the continent's natural plants and its most important water resources	٢	٢٧
Daily discussion and quiz	theoretical	Population and agricultural production	Knowing the continent's population and agricultural production	٢	٢٨
Monthly exam	theoretical	Mineral Wealth + Monthly Exam / Second Semester	Knowing the most important minerals + monthly exam	٢	٢٩

Infrastructure .١١	
General Geography of the Continents, Youssef Yahya Taamas, ١٩٩٠	Required textbooks -١
Geography of Eurasia, Hashim Khadir Al-Janabi, ١٩٨٧ The Internet	Main references (sources) -٢

Keep up to date with developments on the .continents by following up on the web	A- Recommended books and references (scientific journals, (.reports, etc
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Curriculum development plan .١٢
It is possible to add new vocabulary to the curriculum vocabulary, such as some .advanced practical tools

### Course Description Form

Course name : English Poetry .١٧٦	
Meteorology and climate science basics	
: Course code .١٧٧	
Semester / Year : Annual .١٧٨	
annual	
Date this description was prepared .١٧٩	
٢٠٢٤/١٦/٩	
: Available attendance forms .١٨٠	
In-person and online	
:Number of study hours (total) / Number of units (total) .١٨١	
hours 3	
Name of the course administrator (if more than one name is .١٨٢ (mentioned	
Assistant Professor Hamda Hamoudi Sheet Mr. Omar Ahmed Awad	
Course objectives .١٨٣	
some equations to link weather and climate elements to find environmental diversity and identify .some environmental problems	inition of weather and climate elements and the factors affecting their distribution on the Earth's surface

Teaching and learning strategies .١٨٤	
opting the method of oral questions and practical exam for the subject of weather and climate, whether it is a weekly or monthly exam	Following the lecture method and sequential scientific presentation with mental stimulation of students through dialogue and discussion
Course structure .١٨٥	

Evaluation method	Teaching method	Unit name/topic	Required learning outcomes	Weeks	The week
General questions	Theoretical/Discussion	Definition of climatology and meteorology	Development of climatology and meteorology	ε	1
Discussion and general questions	Theoretical/Discussion	Study the actual value of weather and climate elements	Modern trends in climate study	ε	2
Discussion and general questions	Theoretical/Discussion	nature of the atmosphere	atmosphere	ε	3
Discussion and surprise exam	Theoretical/Discussion	Basic and transitional layers	Layers of the atmosphere	ε	ε
General questions and discussion	Theoretical/Discussion	Ozone and impurities	Atmospheric pollution	ε	ο
General questions	Theoretical/Discussion	The importance of solar radiation	Solar and terrestrial radiation	ε	6
Discussion and general questions	Theoretical/Discussion	Angle of incidence - 1 The distance - 2 between the Earth and the Sun	Factors affecting the distribution of solar radiation	ε	7
Discussion and general questions	Theoretical/Discussion	Radiation and brightness measuring instruments	Geographical distribution of solar radiation	ε	8
First month test for the first semester				1	9
discussion	Theoretical/Discussion	Calculate temperature averages	terrestrial radiation and heat	ε	10

General questions and discussion	Theoretical/Discussion	Factors affecting air temperature variation	Isothermal lines and geographic distribution	ε	11
Discussion questions	Theoretical/Discussion	Vertical change of air temperature and thermal inversion	Geographical distribution of temperatures during northern summer and winter	ε	12
General questions and discussion	Theoretical/Discussion	Daily and annual change	Daily and annual temperature change	ε	13
General questions, discussion and daily test	Theoretical/Discussion	Factors affecting pressure distribution and measuring devices	atmospheric pressure	ε	14
General questions and discussion	Theoretical/Discussion	Permanent - <sup>1</sup> pressure areas Pressure in - <sup>2</sup> winter	pressure distribution	ε	15
General questions and discussion	Theoretical/Discussion	Wind measuring instruments and types of wind	Wind	ε	15
General questions and discussion	Theoretical/Discussion		Wind	ε	16
Second month test for the first semester					17
General questions and discussion	Theoretical/Discussion	Warm winds - <sup>1</sup> Cold winds - <sup>2</sup> stream Jet- <sup>3</sup>	Local winds accompanying depressions	ε	18
General questions, discussion and surprise	Theoretical/Discussion	Definition of air masses, their types and types of fronts	Air masses, fronts and hurricanes	ε	19

exam					
General questions and discussion	Theoretical/Discussion	Moderate depressions and cyclones	Air depressions	ε	٢٠
General questions and discussion	Theoretical/Discussion	Tropical cyclones, their classification and hurricane formation	Storms and hurricanes	ε	٢١
First month test for the second semester				١	٢٢
Daily discussion and quiz	Theoretical/Discussion	Definition of atmospheric humidity, water variation on the Earth's surface, and humidity terms	Humidity	ε	٢٣
Discussion and general questions	Theoretical/Discussion	Relativity - ١ Divorcee - ٢ Quality - ٣	Types of humidity	ε	٢٤
Discussion and general questions	Theoretical/Discussion	Condensation conditions, fog factors and types of fog	Condensation	ε	٢٥
Discussion and general questions	Theoretical/Discussion	Clouds in Iraq and pictures of precipitation and its types	Clouds	ε	٢٦
Discussion and general questions	Theoretical/Discussion	Its types, systems and oscillations	Rain	ε	٢٧
General questions and discussion	Theoretical/Discussion	Factors affecting transpiration	Rain in Iraq and evaporation-transpiration	ε	٢٨
General questions	Theoretical/Discussion	Climate classification	Climate classifications	ε	٢٩



and discussion	on	principles			
General questions and discussion	Theoretical/Discussion	cupen	Types of classifications	٤	٢٠
Second month test for the second semester				١	٣١
Course Evaluation .١٨٦					
Learning and teaching resources .١٨٧					
Foundations of Climatology .... Sabah Mahmoud Al-Rawi	Required textbooks (methodology if any)				
Weather Geography.... Ibrahim Sharif Foundations of Climatology... Sabah Mahmoud Al-Rawi and Adnan Hazaa cal climate ..... Ahmed Saeed Hadid and Hazem Al-Ani	Main References (Sources)				
Some applied references in weather and climate geography, especially master's theses, doctoral dissertations, and research published on the Internet	Recommended supporting books and references (scientific journals, reports, etc.)				
	Electronic references, websites				

### Course Description Form

Course name : English Poetry .١٨٨
Fundamentals of Applied Climatology
: Course code .١٨٩
Semester / Year : Annual .١٩٠
annual
Date this description was prepared .١٩١

٢٠٢٤/١٦/٩	
: Available attendance forms .١٩٢	
In-person and online	
:Number of study hours (total) / Number of units (total) .١٩٣	
hours 2	
Name of the course administrator (if more than one name is .١٩٤ (mentioned	
Assistant Professor Hamda Hamoudi Sheet Mr. Omar Ahmed Awad	
Course objectives .١٩٥	
some equations to link the elements of applied ate and environmental diversity and identify .some environmental problems	ining the elements of the impact of climate elements human activities and events in order to achieve comfort
Teaching and learning strategies .١٩٦	
opting the method of oral questions and ctical exam for the subject of weather and mate, whether it is a weekly or monthly exam	owing the lecture method and sequential ntific presentation with mental stimulation of students through dialogue and discussion
Course structure .١٩٧	

Evaluation method	Teaching method	Unit name/topic	Required learning outcomes	Weeks	The week
General questions	Theoretical/Discussion	Stations and devices for measuring climate elements, solar radiation	The concept of applied climate, its development and its devices	۲	۱
Discussion and general questions	Theoretical/Discussion	Radiation, temperature, continental and equations	Mathematical and statistical methods for measuring climate elements	۲	۲
Discussion and general questions	Theoretical/Discussion	Effective temperature, temperature ...conversion	Replace missing rainfall data and return time	۲	۳
Discussion and surprise exam	Theoretical/Discussion	Lange, Demarton, Köppen, Ivanov, Cappelroy laboratories	Signs of dehydration Thornthwaite	۲	۴
General questions and discussion	Theoretical/Discussion	Köppen classification, fundamental classifications and human classifications	Climate classifications	۲	۵
General questions	Theoretical/Discussion	Rays, heat, pressure, wind and plant pests	Climate and crops	۲	۶
Discussion and general questions	Theoretical/Discussion	Temperature, highs and lows, winds and dust storms and other elements	Climate and transportation	۲	۷
Discussion and general questions	Theoretical/Discussion	Climate and a number of human activities	Climate and industrial activity	۲	۸

First month test for the first semester					9
discussion	Theoretical/Discussion	Causes and vectors, climate elements	Medical climate	2	10
General questions and discussion	Theoretical/Discussion	Water balance in the human body and thermal balance	Climate and human comfort	2	11
Discussion questions	Theoretical/Discussion	Effective temperature, wet bulb index, wind cooling factor	Comfort indicators and their laws	2	12
General questions and discussion	Theoretical/Discussion	Climate and building materials, the effect of construction factors on buildings	Climate and architecture	2	13
General questions, discussion and daily test	Theoretical/Discussion	Climate, country of origin, population distribution and density	Climate and population	2	14
General questions and discussion	Theoretical/Discussion	Geographical distribution of plants	Climate and natural vegetation	2	15
General questions and discussion	Theoretical/Discussion	The impact of climate elements on tourism	Climate and Tourism	2	15
General questions and discussion	Theoretical/Discussion		Climate and water	2	16
Second month test for the first semester					17
General questions and	Theoretical/Discussion	Definition of soil and factors affecting its	Climate and soil	2	18

discussion		formation			
General questions, discussion and surprise exam	Theoretical/Discussion	Solar energy, wind energy, hydro energy, bioenergy	Climate and renewable energy sources	۲	۱۹
General questions and discussion	Theoretical/Discussion	Tidal energy, wave energy, lightning energy and its advantages	Thermal energy in the seas and oceans	۲	۲۰
General questions and discussion	Theoretical/Discussion	Pollution, its sources, treatment and problems	Climate and air pollution	۲	۲۱
First month test for the second semester				۱	۲۲
Daily discussion and quiz	Theoretical/Discussion	The concept of desertification, its causes, and its manifestations	Climate and desertification	۲	۲۳
Discussion and general questions	Theoretical/Discussion	Drought, heat waves, floods, hurricanes	Climate disasters	۲	۲۴
Discussion and general questions	Theoretical/Discussion	Ancient climate history methods and evidence, cold climate evidence	Climate change	۲	۲۵
Discussion and general questions	Theoretical/Discussion	‘Natural	Causes of climate change	۲	۲۶
Discussion and general questions	Theoretical/Discussion	mankind		۲	۲۷
General	Theoretical		The effect of climate	۲	۲۸

questions and discussion	l/Discussion		on animal husbandry		
Second month test for the second semester				1	29
Course Evaluation .198					
Learning and teaching resources .199					
ndamentals of Applied Climatology... Hello Phone	Required textbooks (methodology if any)				
plied Climatology ... Adel Saeed Al- Rawi and Qusay Al-Samarrai	Main References (Sources)				
me applied references in the applied mate, especially master's theses, doctoral sertations, and research published on the .Internet	Recommended supporting books and references (scientific journals, reports, etc.)				
	Electronic references, websites				

### Course Description Form

Course name : Foundations Geomorphology .2.0
: Course code .2.1
Semester / Year : Annual .2.2
Date this description was prepared .2.3 2024/16/9
: Available attendance forms .2.4
Number of study hours (total) / Number of units (total): 90/5 .2.5
Name of the course administrator (if more than one name is .2.6 (mentioned

## Course objectives .٢٠٧

Introducing the student to the basics of geomorphology of landforms and how to study them in a classical, manual and practical way using computers, using modern technologies

## Teaching and learning strategies .٢٠٨

Continuous tests, some of which are daily or weekly, urging students to use additional resources and benefit from the available information, classroom activities

## Course structure .٢٠٩

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
General questions =	Theoretical/Discussion =	How it developed as an independent science How to study it as a resource	Geomorphology Resources definition and types	٢+٢ ١+٢	١
Discussion and general questions =	Theoretical/Discussion =	How rocks are formed How it was formed, extracted and exploited	The most important rocks and the reasons for their formation  Rocks as a natural resource	٢+٢ ١+٣	٢ ٢
Discussion and general questions =	Theoretical/Discussion =	How to study the various types of influential forces Soil as a natural resource	Forces affecting the formation of the Earth's surface features Soil as a natural resource	٢+٢ ١+٣	٣ ٣
Discussion and surprise exam =	Theoretical/Discussion =	Slopes and their types Natural plant as a natural resource	Slopes Natural plant	٢+٢ ١+٣	٤ ٤
General questions and discussion =	Theoretical/Discussion =	Methods of identifying and analyzing sectors Types of soils, factors of their formation, problems and solutions	Terrain sectors  Soil as a natural resource	٢+٢ ١+٢	٥ ٥
General questions	Theoretical/Discussion	Morphology of sectors  Resources as a natural	Geomorphological features within the sector	٢+٢ ١+٢	٦ ٦

=	=	resource	Water Resources			
Discussion and general questions =	Theoretical/Discussion =	Presenting and discussing field research =	Discussion sessions Discussion sessions	2+2 1+2		7 7
Discussion and general questions =	Practical Discussion/ =	Field visit Field visit	Field visit Field visit	2+2 1+2		8 8
First semester test based on two exams				1		9 9
discussion =	Theoretical/Discussion =	Chemical and physical weathering Distribution of weeds in the world	Weathering Weeds and their distribution	2+2 1+2	10	10
General questions and discussion =	Theoretical/Discussion practical =	Physical and chemical weathering phenomena The most important resources and their distribution within the map	The most important aspects of weathering Distribution of resources within the world map	2+2 1+2	11	11
Discussion questions practical	practical practical	Computer Use Practical Applications Practical applications for resource distribution and soil mapping	Practical applications of extracting regression Practical applications	2+2 1+2	12	12
General questions and discussion	Practical Discussion/ =	Application of sector study according to equations and computer methods	Quantitative and computational methods for studying sectors	2+2	13	13
General questions, discussion and daily test	Theoretical/Discussion =	Definition of erosion Water resources and their types	erosion Water resources distribution	2+2 1+2	14	14
General questions and discussion =	Theoretical/Discussion =	Identify the types of erosion Identify the relationship between water resources and population concentration	Types of erosion The role of water resources in settlement	2+2 1+2	15	15
General questions and discussion	Theoretical/ Practical =	The role of rainfall erosion and how to measure it How to identify and map	The most important manifestations resulting from rain erosion	2+2 1+2	16	16



		water resources	Water resources mapping			
General questions and discussion =	Theoretical/Discussion =	What is river erosion and how is it measured How to use water	River erosion Use of water resources	2+2 1+2	17	16
First month test for the second semester					18	17
General questions and discussion =	Theoretical/Discussion practical	How wave erosion occurs and the most important manifestations resulting from it Methods followed to invest water in the world	Wave erosion How to develop water investment	2+2 1+2	19	18
General questions and discussion =	Theoretical/Discussion =	How glacial erosion occurs and its most important manifestations How to develop water exploitation methods	Glacial erosion Wrong methods and treatment methods	2+2 1+2	20	19
Practical tests	practical	Detecting types of erosion using computer programs Information Systems	River erosion and how to show it on maps	2+2	21	20
Practical tests	practical practical	Using topographic maps to extract the river network Using GIS software to analyze land cover	How to extract the river network Methods used to determine land covers	2+2 1+2	22	21
Course Evaluation .21.						
The student's commitment to submitting reports and assignments assigned to him and respecting their deadlines .Daily applications and duties					-7	-8
Learning and teaching resources .211						
Foundations of Geomorphology - Muhammad Hussein Khalaf			Required textbooks (methodology if any)			
Principles of Geomorphology, Hassan Sayed Ahmed Abu Al-Anin, University Culture Foundation, 1st ed.,			Main References (Sources)			

.١٩٩٥	
	Recommended supporting books and references (scientific journals, reports, etc.)
	Electronic references, websites

### Course Description Form

Course name : Baath crimes .٢١٢
: Course code .٢١٣
Semester / Year : Annual .٢١٤
Date of preparation of this description ٢.٢٤/٢.٢٥ .٢١٥
: Available attendance forms .٢١٦
:Number of study hours (total) / Number of units (total) .٢١٧
Name of the course administrator (if more than one name is .٢١٨ (mentioned
Course objectives .٢١٩
Teaching and learning strategies .٢٢٠
Course structure .٢٢١

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Course Evaluation .٢٢٢					
Learning and teaching resources .٢٢٣					
			Required textbooks (methodology if any)		
			Main References (Sources)		
			Recommended supporting books and references (scientific journals, reports, etc.)		
			Electronic references, websites		

## Course Description Form

### Course Description

This course description provides a concise summary of the main features of the course and the learning outcomes expected of the student, demonstrating whether he or she has made the most of the learning opportunities available. It must be linked to the programme description

Tikrit University / College of Arts	Educational institution .١٣
Department of Geography and Geographic Information Systems	Scientific Department / .١٤ Center
Population Geography	Course Name/Code .١٥

Attendance according to the weekly class schedule prepared by the department head	Available attendance forms . ١٦
Annual Schedule	Chapter/Year . ١٧
٩٠	Number of study hours . ١٨ (total)
٢٠٢٥/٢٧/١	Date this description was . ١٩ prepared
Course objectives . ٢٠	
Objective : To introduce the student to population geography and its importance, the history of population growth in the world, population distribution and the factors affecting it, the age and gender composition of the population, and the social and . economic characteristics of the population	

Course outcomes , teaching and learning methods and assessment . ٢١	
	Cognitive objectives - ١
. A١ - Introducing the student to the concepts of population geography .A٢ - Introducing the student to the history of population growth in the world .Population distribution and factors affecting it A٣ - Student definition .A٤ - The student learns about the age and gender structure of the population .A٥ - Introducing the student to population growth and demographic transformation A٦ - Introducing the student to the concept of mortality, methods of measuring .it, and its geographical distribution	
. B - Course specific skill objectives B١ - Scientific Reports B٢ - Graduation research B٣ - Benefit from information in the field of work	

Teaching and learning methods	
.Questions and interrogation during daily lectures - ١ .tests Daily assignments and - ٢ . Guiding students to benefit from external resources available around the course - ٣	
Evaluation methods	
The student's commitment to the deadlines for submitting reports and .assignments assigned to him and respecting their deadlines	- ٥
.Daily applications and duties	- ٦
.Continuous semester and weekly exams	- ٧
Student participation in the classroom and serious discussion shows the extent .of the student's interest and his attempt to bear responsibility	- ٨
C- Emotional and value-based goals	
A ١ - Giving the student opportunities for dialogue and discussion during the .lesson	
A ٢ - Enhancing the student's ability to perform assignments and adhere to their .deadlines	
A ٣ - Encouraging the student to benefit from the available means	
A ٤ - Developing the student's ability to find appropriate solutions to any problem . he encounters	
Teaching and learning methods	
.Discussion and interrogation - ١ .tests Daily assignments and - ٢ .Guiding students to benefit from external resources available around the course - ٣	
Evaluation methods	
The student's commitment to the deadlines for submitting reports and .assignments assigned to him and respecting their deadlines	- ٥
.Daily applications and duties	- ٦
.Continuous semester and weekly exams	- ٧
Student participation in the classroom and serious discussion shows the extent .of the student's interest and his attempt to bear responsibility	- ٨

- D - General and transferable skills ( other skills related to employability and .(personal development  
 .D<sup>1</sup>) - Raising the level of students' ability to deal with modern learning methods  
 .D<sup>2</sup>- Enhancing the student's ability to discuss and engage in constructive dialogue  
 D<sup>3</sup>- Encouraging the student to have access to the resources available in libraries .and the Internet on the subject  
 .D<sup>4</sup>- Developing the student's ability to deal with various media

### Course Description Form

Course name : English Language .٢٢٤	
: Course code .٢٢٥	
Semester / Year : Annual ٢٠٢٤-٢٠٢٥ .٢٢٦	
Date of preparation of this description : ١-٢-٢٠٢٥ .٢٢٧	
Daily: Available attendance forms .٢٢٨	
Number of study hours (total) / Number of units (total): ١ .٢٢٩	
Name of the course supervisor (if more than one name is .٢٣٠ mentioned): M.M. Osama Mohammed Abdullah	
Course objectives .٢٣١	
Developing English language skills as a secondary language for first-year applied geography students	
Teaching and learning strategies .٢٣٢	
Study English Grammar	

Course structure .۲۳۳					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
Monthly and annual exam	My presence	dating in english	learn to get acquainted	1	1
Course Evaluation .۲۳۴					
Learning and teaching resources .۲۳۵					
Headway: Beginners' book			Required textbooks (methodology if any)		
Some related books			Main References (Sources)		
Books on various topics			Recommended supporting books and references (scientific journals, reports, etc.)		
artificial intelligence			Electronic references, websites		

### Course Description Form

Course name : English language .۲۳۶
: Course code .۲۳۷
Semester / Year : Annual ۲۰۲۴-۲۰۲۵ .۲۳۸
: ۱-۲-۲۰۲۵ Date of preparation of this description .۲۳۹
Daily: Available attendance forms .۲۴۰
Number of study hours (total) / Number of units (total): ۱ .۲۴۱

Name of the course supervisor (if more than one name is mentioned): M.M. Osama Mohammed Abdullah .٢٤٢					
Course objectives .٢٤٣					
Developing English language skills as a secondary language for applied geography students, second stage					
Teaching and learning strategies .٢٤٤					
Study English Grammar					
Course structure .٢٤٥					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	Watches	The week
My presence	dialogue	Dating	Dating	1	1
Course Evaluation .٢٤٦					
Daily, monthly and end of course					
Learning and teaching resources .٢٤٧					
Headway: Beginners' book			Required textbooks (methodology if any)		
Some related books			Main References (Sources)		
Books on various topics			Recommended supporting books and references (scientific journals, reports, etc.)		
artificial intelligence			Electronic references, websites		





