

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



**Academic Program and
Course Description Guide
Department of
Geography**

2025

Introduction:

The academic program is a coordinated and organized package of courses that includes procedures and experiences structured as course units. Its primary purpose is to develop and refine graduates' skills, qualifying them to meet the requirements of the labor market. The program is reviewed and evaluated annually through internal or external audit procedures, such as the External Examiner program.

The academic program description provides a concise summary of the program's main features and courses, highlighting the skills students are expected to acquire based on the academic program's objectives. This description is particularly important as it serves as a cornerstone for obtaining program accreditation. The preparation of this description involves academic staff under the supervision of the scientific committees of the relevant departments.

This guide, in its second edition, presents the academic program description after updating the contents and sections of the previous guide in light of the recent developments in the Iraqi educational system. It includes the traditional academic program structure (annual/semester-based) as well as the adoption of the standardized academic program description according to the Directorate of Studies Letter No. TM3/2906 dated 05/03/2023, particularly for programs that follow the Bologna Process as the basis for their structure.

In this context, we emphasize the importance of preparing accurate academic program and course descriptions to ensure the effective conduct of the educational process.

Concepts and Terminology:

- **Academic Program Description:** Provides a concise summary of the program's vision, mission, and objectives, including an accurate description of the targeted learning outcomes based on specific learning strategies.
- **Course Description:** Provides a concise summary of the main characteristics of a course and the expected learning outcomes that students should achieve. It demonstrates whether students have maximized the learning opportunities available and is derived from the academic program description.
- **Program Vision:** An ambitious image of the academic program's future, aiming to be advanced, inspiring, motivating, realistic, and applicable.
- **Program Mission:** Briefly outlines the goals and activities required to achieve them, specifying the pathways for program development and its directions.
- **Program Objectives:** Statements describing what the academic program intends to achieve within a specific time frame, which must be measurable and observable.
- **Curriculum Structure:** All courses or subjects included in the academic program according to the adopted learning system (semester-based, annual, Bologna Process), whether they are requirements (Ministry, University, College, or Department) along with the number of credit units.
- **Learning Outcomes:** A set of compatible knowledge, skills, and values acquired by students upon successful completion of the academic program. Learning outcomes must be specified for each course in a manner that fulfills the program's objectives.
- **Teaching and Learning Strategies:** Strategies employed by faculty members to develop student learning, comprising plans followed to achieve learning objectives. These strategies describe all in-class and extracurricular activities aimed at achieving the program's learning outcomes.



Academic Program Description Model



College / Institute: College of Education for Women

Academic Department: Department of Geography

Name of the Academic or Professional Program: Bachelor's Program

Title of the Final Degree Awarded: Bachelor of Geography

Study System: Annual System

Date of Program Description Preparation: 18 / 9 / 2025

Date of File Completion: 18 / 9 / 2025

Signature:

Name of Head of Department:

Asst. Prof. Dr. Salam Saud Hussein

Date:

Signature:

Name of Scientific Assistant Dean:

Prof. Dr. Ashraf Jamal Mahmoud

Date: 9/18

Reviewed by:

Quality Assurance and University Performance Unit

Name of the Director of the Quality Assurance and University Performance Unit:

Mr. Shahad Khalid Hamid

Date:

9/18

Signature:



Approval of the Dean

الأستاذة الدكتورة
نجلاء عبد الحسين عليوف
عميد كلية التربية للبنات

1. Program Vision

The Department of Geography aspires to achieve academic leadership through its commitment to applying the scientific standards adopted by the University and to developing students' cognitive and research capacities, thereby contributing to the preparation of distinguished female graduates capable of competing effectively at the local, regional, and international levels.

2- Program Mission Statement

The Department of Geography seeks to prepare academically and professionally qualified educational cadres capable of contributing to the development of an informed Iraqi society grounded in knowledge, and of actively participating in the achievement of comprehensive development across various sectors of Iraqi society and the state.

3- Program Objectives

- 1- To provide students with theoretical and applied geographic knowledge in the fields of physical geography, human geography, and geospatial technologies.
- 2- To develop students' and researchers' research and critical thinking skills for addressing and analyzing geographic problems.
- 3- To enhance the integration of theoretical and practical knowledge through field training and applied projects.
- 4- o instill national values and foster a sense of belonging and responsibility toward the environment and society.
- 5- To reinforce human values, research ethics, and adherence to academic integrity standards.
- 6- To prepare graduates for the labor market by equipping them with practical skills in urban planning, environmental studies, natural resources, and education.
- 7- To strengthen spatial and technical analytical skills through the application of Geographic Information Systems (GIS), remote sensing technologies, and digital cartography.
- 8- develop technical competencies in spatial data management and the use of modern geospatial software.
- 9- To contribute to community service and conduct geographic studies that support local and regional development plans.
- 10- To encourage collaborative scientific research and innovation in addressing environmental and developmental challenges.

4- Program Accreditation

The program has not obtained programmatic accreditation

5- Other External Influences

There are no external influences other than the Ministry of Higher Education and Scientific Research and Tikrit University.

6- Program Structure

Remarks	Percentage	Credit Units	Number of Courses	Program Component
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-	-	-	-	University Requirements
-	-	-	-	College Requirements
Courses may be core or elective	• 10% of total grade (First Year)• • 20% of total grade (Second Year)• 30% of total grade (Third Year)• 40% of total grade (Fourth Year)	112	56	Department Requirements
-	-	-	Not available	Summer Training
Practical applications	-	-	Applied	Others

* **Remarks may indicate whether the course is Core or Elective.

7- Program Description

Year / Level	Course Code	Course Title	Units	Credit Hours
First Year	106 GWC	Meteorology and Climatology	4	2
First Year	101 GC	Cartography and Remote Sensing	4	3
First Year	108 GGAA	Geography of Africa and Australia	4	2
First Year	109 GGe	Geomorphology	4	2
First Year	102 G FE	Foundations of Education	4	2
First Year	107 G EP	Educational Psychology	4	2
First Year	105 G AL	Arabic Language	4	2
First Year	110 GAHI	Ancient Arab Homeland History	4	2
First Year	103 GHRD	Human Rights and Democracy	2	2
First Year	113 GEL	English Language	2	2
First Year	104 GCS	Computer Fundamentals	3	2
Second Year	211 GAC	Applied Climatology	4	2
Second Year	215 G Geo	Geomorphology	4	2
Second Year	216 GGeE	Eurasia Geography	4	2
Second Year	217 G PG	Population Geography	4	2
Second Year	218 GSE	Secondary Education and Educational Administration	4	2
Second Year	222 G GrP	Developmental Psychology	4	2
Second Year	221 G GT	Geographic Techniques	4	2
Second Year	219 GHAS	History of the Arab Islamic State	4	2
Second Year	223 G EL	English Language	2	2
Second Year	226 GG DP	Development and Planning	4	2
Second Year	227 GG OE	Oil and Energy Geography	4	2
Second Year	228 G TMS	Thematic Cartography	4	2
Second Year	229 GRG	Rural Geography	4	2
Second Year	304 GVD	Crimes of the Baath Party	4	2
Third Year	333 GNRG	Geography of the Americas	4	2
Third Year	39 GMGR	Industrial Geography	4	2
Third Year	332 GGA	Agricultural Geography	4	2
Third Year	337 G MHIAH	Urban Geography	4	2
Third Year	336 G TM	Natural Resources	4	2
Third Year	331 GGI	Statistics and Modeling	4	2
Third Year	338 G PGEG	Teaching Methods and Curriculum	4	2
Third Year	43 GTG	Educational Guidance and Mental Health	4	2
Third Year	40 GSG	Modern History of Iraq and the Arab World	4	2

Third Year	330 GGA	Detailed Climatology	4	2
Third Year	334 GGS	Tourism Geography	4	2
Third Year	334 GGS	Geographic Research Methods	4	2
Third Year	330 GGA	Soil Geography	4	2
Third Year	331 GGI	English Language	2	2
Fourth Year	454 GSO	Geography of Iraq	4	2
Fourth Year	452 G ISG	Political Geography	4	2
Fourth Year	452 G ISG	Environmental Geography	4	2
Fourth Year	453 G RP	Geography of the Arab Homeland	4	2
Fourth Year	449 G ME	Geographical Thought	4	2
Fourth Year	445 G PG	Transport and Trade Geography	4	2
Fourth Year	449 G ME	Graduation Project	4	2
Fourth Year	457 GGS	Measurement and Evaluation	4	2
Fourth Year	336 G TM	Teaching Applications	4	2
Fourth Year	444 GG I	Geographic Information Systems (GIS)	4	2
Fourth Year	457 GGS	English Language	2	2
Fourth Year	453 G RP	Social Geography	4	2
Fourth Year	445 G PG	Geography of Seas and Oceans	4	2
Fourth Year	456 GSG	Services Geography	4	2

8- Expected Program Learning Outcomes

Knowledge:

Students recognize the role of geography in society through participation in practical activities such as workshops, specialized scientific courses, discussions, research activities, and other educational tools that illustrate geography's role in analyzing spatial phenomena, supporting development, and addressing environmental and social problems.	Understand the importance of geography
Achieved through case studies, participation in workshops and scientific courses, and analysis of environmental and social data using modern geographic technologies such as Geographic Information Systems (GIS) and Remote Sensing.	Comprehend spatial relationships between humans and the environment and their impact on sustainable development
Developed through participation in practical experiments, training courses, applied workshops, field data collection, and use of modern technologies and spatial analysis software to interpret results accurately and objectively.	Ability to analyze geographic phenomena using scientific methods
Gained through participation in training courses, workshops, and specialized scientific seminars to analyze spatial phenomena, prepare maps, and interpret	Ability to use modern cartographic technologies

geographic data effectively and accurately.	
Skills	
Developed through the use of scientific methods, GIS and Remote Sensing techniques, and participation in workshops and training courses.	Analysis of geographic phenomena and spatial relationships
Achieved through hands-on training in GIS, Remote Sensing, map preparation, and spatial data analysis during courses and workshops.	Application of modern cartographic technologies
Developed through participation in research projects, designing field studies, data collection and analysis, and writing research reports.	Scientific research skills
Developed through analysis of geographic and environmental issues, participation in scientific discussions, study of case applications, and collaborative projects.	Critical thinking and problem-solving
Achieved through presentations, participation in student activities, seminars, group workshops, and cooperative projects.	Scientific communication and teamwork skills
Further developed through scientific methods, GIS and Remote Sensing techniques, and participation in practical workshops and training sessions.	Reinforced analysis of geographic phenomena and spatial relationships
Values	
By adhering to academic standards in research and study, respecting intellectual property rights, and participating in scientific projects under faculty supervision.	Academic and Scientific Commitment
Through participation in field activities, contributing to solving environmental and social problems, and engaging in developmental projects that serve the community.	Social Responsibility
By presenting research data and information objectively and accurately, and following scientific methods in analysis and documentation.	Integrity and Transparency
Through participation in research and student teams, collaborative projects, workshops, and group seminars.	Cooperation and Teamwork
By studying environmental issues,	Environmental Respect and Sustainable

participating in awareness campaigns, and analyzing the impact of human activities on the environment.	Development
Through studying the geographical, cultural, and social characteristics of Iraq, and contributing to developmental projects that serve the nation and society.	National Belonging

9- Teaching and Learning Strategies

A variety of teaching methods are applied, including **traditional lectures** and **problem-solving approaches**, to enhance critical thinking, practical skills, and student engagement.

10- Assessment Methods

Oral examinations \ Written examinations \ Reports and research assignments

11 - Academic Staff

Academic Staff Preparation		Requirements / Skills (if any)	Specialization		Academic Rank
Lecturer Type	Faculty Type		Specific	General	
	Permanent		Maps & GIS	Human Geography	Asst. Prof. Dr. Salam Saud Hussein Dawood
	Permanent		Population Geography	Human Geography	Asst. Prof. Dr. Adel Taha Shlal Fandi
	Permanent		Resource Geography	Physical Geography	Asst. Prof. Dr. Abdul Haq Naif Mahmoud
	Permanent		Geomorphology	Physical Geography	Asst. Prof. Dr. Rajaa Khalil Ahmed
	Permanent		Maps & GIS	Physical Geography	Prof. Dr. Abdulrahman Abdulkarim Yahya
	Permanent		Geomorphology	Physical Geography	Prof. Dr. Ali Abdullah Mousa
	Permanent		Urban Geography	Human Geography	Prof. Dr. Ruwaida Fouad Abdullah
	Permanent		Urban Geography	Human Geography	Prof. Dr. Fatima Ibrahim Ta'ma Hajji
	Permanent		Cartography	Human Geography	Prof. Dr. Farah Abdulqader Faleh Rahim
	Permanent		Public Libraries	Library Science	Lecturer Huda Nema Hamad
	Permanent		Geography Teaching Methods	Educational & Psychological Sciences	Lecturer Amna Ali Ahmed Sharqi
	Permanent		Islamic History	History	Asst. Lecturer Nadira Hilan Yaqoub
	Permanent		Agricultural Geography	Human Geography	Asst. Lecturer Hameed Shkheer Nazzal Jiji
	Permanent		Desertification	Physical Geography	Asst. Lecturer Mohammad Salam Yousif Mahmoud
	Permanent		Population Geography	Human Geography	Prof. Dr. Ruwaida Saad Jaber
	Permanent		Cartography	Physical Geography	Asst. Lecturer Huda Nasser Najm Abdullah

	Permanent		Population Geography	Human Geography	Asst. Lecturer Zainab Safa Bandar
	Permanent		Population Geography	Human Geography	Asst. Lecturer Israa Mazen Hamid

Professional Development

Orientation for New Faculty Members

- Involving newly appointed faculty in departmental committees.
- Integrating newly appointed Assistant Lecturers with senior faculty members to acquire experience and skills.
- Organizing in-department workshops on examination committees, performance evaluation, and academic promotions.

Professional Development for Faculty Members

- Participation in teaching methods workshops.
- Participation in leadership development courses

12-Admission Criteria

Centralized / Morning / Evening

13-Main Information Sources for the Program

- Each course has its own references, as specified in the program description.
- The Academic Committee.

14-Program Development Plan

- Revising the admission plan.
- Introducing new courses.
- Seeking academic accreditation.

Program Skills Framework

Program Learning Outcomes

Values				Skills				Knowledge				Core / Elective	Course Title	Course Code	Year / Level
4D	3C	2B	1A	4D	3C	2B	1A	4D	3C	2B	1A				

- Please mark the boxes corresponding to the individual program learning outcomes that are subject to assessment.

Course Name .1					
Map foundations					
Course Code .2					
101GC					
Year / Term .3					
2026-2025					
Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
90Hour / 4 units					
(if there is more than one, mention it) Name of the course coordinator .7					
: Email Dr. Salam Saud Hussein : Name Salam.s@tu.edu.iq					
Course Objectives .8					
1- Developing students' ability to understand the characteristics and problems of maps and remote sensing, Information their causes and solutions in the Geographic .world environment-Systems program within a real 2- Students gain knowledge and ideas on identifying the most important sources for obtaining data and coordinates related .to map drawing 3- To enable students to understand the basic rules of map rial and link it with geographic information systems mate and remote sensing, and to activate its role in developing it .on the ground					Course objectives
Teaching and learning strategies .9					
.to develop skills techniques Using brainstorming - . inside the classroom The discussion method in the daily lecture -					strategy
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	A brief of history map development	Learning a brief history of map development	3	November 1
person -In tests	person -In lectures	Babylonian maps	Identifying	3	November 2

			Babylonian maps		
person -In tests	person -In lectures	Ancient Egyptian maps	Identifying ancient Egyptian maps	3	November 3
person -In tests	person -In lectures	Chinese and Roman maps	Learning Chinese and Roman maps	3	November 4
person -In tests	person -In lectures	Medieval maps of Europe	Learning about medieval maps of Europe	3	December 1
person -In tests	person -In lectures	The role of Arabs in the advancement of maps	Understanding the Arabs in the role of advancement of maps	3	December 2
person -In tests	person -In lectures	Drawing scales	Understanding drawing scales	3	December 3
person -In tests	person -In lectures	Definition of scale	Understanding the scale definition of	3	December 4
person -In tests	person -In lectures	numerical scale	Identifying the numerical scale	3	January 1
person -In tests	person -In lectures	linear scale	Understanding the linear scale	3	January 4
person -In tests	person -In lectures	Dividing a line into equal parts	Understanding how to divide a line into equal parts	3	February 1
person -In tests	person -In lectures	Time scale	Understanding the time scale	3	1 February
person -In tests	person -In lectures	Network scale	Identifying the grid scale	3	February 2
person -In tests	person -In lectures	How to find the scale of a map with an unknown scale	Learn how to find the scale of a map with an unknown scale	3	February 2
person -In tests	person -In lectures	A brief history of map development	Learning a brief of map history development	3	February
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	How to choose a suitable map scale	Learn how to choose an appropriate map scale	3	February 4
person -In tests	person -In lectures	Measuring	Understanding the	3	1 March

tests	lectures	dimensions and areas on the map	measurement of dimensions and areas of a map		
person -In tests	person -In lectures	Methods of measuring dimensions from maps and devices used	Identifying methods for measuring dimensions using maps and instruments	3	March 2
person -In tests	person -In lectures	Measuring wheel	Identifying the measuring wheel	3	March 3
person -In tests	person -In lectures	Area measurements on maps	Identifying area measurements on maps	3	March 4
person -In tests	person -In lectures	Measuring slopes from maps	Identifying slope measurements from maps	3	April 1
person -In tests	person -In lectures	Zoom in and out on maps	Understanding how to zoom in and out on maps	3	April 2
person -In tests	person -In lectures	The squares method	Understanding the squares method	3	April 3
person -In tests	person -In lectures	Symmetrical Triangles Method	Understanding the method of symmetrical triangles	3	April 4
person -In tests	person -In lectures	Map projections	Identifying map projections	3	May 1
person -In tests	person -In lectures	longitude lines	Identifying lines of longitude	3	1 May
person -In tests	person -In lectures	latitude circles	Identifying latitude circles	3	May 2
person -In tests	person -In lectures	Oblique projections equatorial projections	oblique Identifying and projections equatorial projections	3	May 2
person -In tests	person -In lectures	Definition of remote sensing	Understanding the definition of remote sensing	3	May 2
person -In tests	person -In lectures	The importance and benefits of remote sensing	Understanding the importance and benefits of remote sensing	3	May 2
			Final exams	—	May 3 , 4

Course Name .1

Weather and climate science	
Course Code .2	
104 GCS	
Term/Year .3	
2026 – 2025	
Date this description was prepared .4	
5 202 / 9 / 8 1	
Available attendance formats .5	
person lectures-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(there is more than one, mention it Name of the course coordinator (if .7	
Name: Dr. Abdul Rahman Abdul Karim Yahya Jassim	
:Email abdurahman.yahya@tu.edu.iq	
Course Objectives .8	
<ul style="list-style-type: none"> • Keeping up with the latest developments in .climate elements and their devices • Studying the fundamentals of weather and . climate elements and phenomena • Harnessing technology to develop education and present lectures via .computer 	Course objectives
Teaching and learning strategies .9	
.lectures person-In - Using the method of asking questions of the - .students .Using brainstorming to develop skills - The method of discussing the details of the - .lecture topic within the classroom Weekly assignments	strategy
Course Structure .10	

Evaluation	Learning	Unit or topic	learning Required	Hours	Week
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Method	method	name	outcomes		
person -In tests	person -In lectures	Chapter One / Foundations of Climatology	Chapter 1: Introduction to the Concept of Climate and Weather Science	2	September 3
person -In tests	person -In lectures	The importance of climatology	Understanding the importance of climatology from theoretical and both applied perspectives	2	September 4
person -In tests	person -In lectures	Factors affecting climate elements	Identifying climate elements	2	1 October
person -In tests	person -In lectures	Types of solar radiation	Chapter Two: Solar Radiation	2	2 October
person -In tests	person -In lectures	Factors affecting radiation	The importance of radiation	2	October 3
person -In tests	person -In lectures	Factors affecting temperature	Chapter Three: and its Types Heat	2	4 October
person -In tests	person -In lectures	atmospheric pressure centers	Chapter Four: Atmospheric Pressure	2	November 1
person -In tests	person -In lectures	Types of winds	Chapter Five: Winds	2	November 2
person -In tests	person -In lectures	The importance of rainfall and how it is classified	Chapter Six: Rain	2	November 3

person -In tests	person -In lectures	Types of rain	affecting Factors rainfall	2	November 4
person -In tests	person -In lectures	Knowing the evaporation measurements	Evaporation and its types and transpiration	2	December 1
person -In tests	person -In lectures	Types of devices	Study of measuring instruments	2	December 2
person -In tests	person -In lectures	storms Dust	climatic phenomena	2	December 3
person -In tests	person -In lectures	Stratosphere layer	layers of the atmosphere	2	December 4
person -In tests	person -In lectures	troposphere	gaseous atmosphere	2	1 January
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Köppen classification	Identifying climatic classifications	2	4 January
person -In tests	person -In lectures	Fundamental classifications		2	February 1
person -In tests	person -In lectures	Classification results		2	2 February
person -In tests	person -In lectures	Types of classifications		2	3 February
person -In tests	person -In lectures			2	4 February
person -In tests	person -In lectures			2	1 March
person -In tests	person -In lectures			2	2 March

person -In tests	person -In lectures			2	3 March
person -In tests	person -In lectures			2	4 March
person -In tests	person -In lectures			2	1 April
person -In tests	person -In lectures			2	2 April
person -In tests	person -In lectures			2	3 April
person -In tests	person -In lectures			2	4 April
person -In tests	immanence			2	1 May
person -In tests	immanence	Examples of weather maps		2	2 May
			Final exams	—	4 , 3 May

Course Evaluation .11

marks allocated for each semester, divided 25 marks for the annual coursework, with 50 : as follows

marks for the written exam 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

Learning and teaching resources .12

The science of the fundamentals of - and weather climate

methodology, if) Required textbooks (applicable

Samarrai, Applied -Qusay Al Climatology, University of Baghdad, .College of Arts

(sources) Main references

Ali Hassan Moussa, Contemporary Fikr, Damascus, -Climate Issues, Dar Al .First Edition, 2022	
The comprehensive electronic magazine mecs Journal of Scientific and Geographical Studies House of Geographical Thought in Damascus Weather research centers and NASA	Recommended supporting books and (.etc ‘ reports ‘ scientific journals) references
www.darsafa.net dijla.bookshop@yahoo.com	websites ‘ Electronic references

Course Name .1
.Geomorphology is the study of Earth's surface forms
Course Code .2
109GGe
Year / Term .3
- 20252026
description was prepared Date this .4
2025/9/18
Available attendance formats .5
person lectures, both theoretical and practical-In
units number of Total / number of study hours Total .6
hours / 4 units 60

(if there is more than one, mention it) Name of the course coordinator .7

:Email Dr. Raja Khalil Ahmed : NameRaja.Khalil@tu.edu.iq

Course Objectives .8

<p>on identification from students Empowerment -1 science between relationship And it And its history Geomorphology developed effect knowledge from students Empowerment -2 processes in Geomorphological Factors and its origins The Earth topography Shapes importance in student Definition -3 in it Investing and possibility the earth surface application And its Discrimination students Empowerment -4 Operations between Its she geomorphology and Internal and external effects</p>	<p>Course objectives</p>
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Teaching and learning strategies .9

<p>.Using brainstorming to develop skills - within The discussion style in the daily lecture - the classroom Using scientific videos and illustrations to - clarify the most important geomorphological . phenomena</p>	<p>strategy</p>
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Tests	person -In lectures	Student identification	Getting to know the students	2	1
Tests	person -In lectures	Vocabulary, key resources, and an overview of	Introducing students to the most important scientific sources in applied	2	2

		the exam system and grade .distribution	geomorphology Grading and testing system		
person -In tests	person -In lectures With application for field study	and concept definition science Geomorphology and its His topics approach	Understanding the concept of gemology	2	3
person -In tests	person-In lectures	Origin science Geomorphology and its importance And the most prominent His scholars His relationship the with The sciences other	Understanding the relationship of geomerism to other sciences	2	4
person -In tests	person -In lectures	History of the development of geomorphology	Understanding the history of your development: Gemology, its most important areas, and the ten basic concepts of .gemology	2	5
person -In tests	person -In lectures	The Universe and the Solar System	Understanding the concept of the universe and the solar system	2	6
person -In tests	person -In lectures	Earth and its components	Understanding the Earth and its composition	2	7
person -In tests	person -In lectures	Landforms. Rocks and	Identifying	2	8

		.their types	their landforms and types Rocks, their composition, and their types		
person -In tests	person -In lectures	Earth's internal processes	Identifying the types of internal earth processes	2	9
person -In tests	person -In lectures	Earthquakes and volcanoes: their concept, types, and causes	Understanding the concept of earthquakes and volcanoes, their causes, types, and distribution	2	10
person -In tests	person -In lectures	Weathering, soil, and movement of rock fragments	Weathering Recognition And the movement of the crumbs	2	12
person -In tests	person -In lectures	Winds and deserts The role of drought and wind in nature	Understanding the concept of winds, deserts, and their problems	2	13
person -In tests	person -In lectures	The phenomenon of desertification and methods of stabilizing sand dunes	Identifying and addressing the phenomenon of desertification	2	14
person -In tests	person -In lectures	Running water and its function	Understanding and functioning of running water	2	15
person -In tests	person -In lectures	Groundwater and its function	Understanding the concept and function of groundwater	2	16
2026 - 2/2 -Spring break 18/1					
person -In	person -In	Landforms	Identifying the	2	17

tests	lectures	resulting from groundwater	most important landforms of groundwater		
person -In tests	person -In lectures	Seas and coasts	Understanding the concept of coasts and seas	2	18
person -In tests	person -In lectures	The structural geomorphological work of the seas	the Understanding structural work of the seas	2	19
person -In tests	person -In lectures	The constructive work of marine organisms and coral reefs	Understanding the construction work	2	20
person -In tests	person -In lectures	Ice and refrigerators	Understanding the concept of ice and refrigerators	2	21
person -In tests	person -In lectures	Glacial geomorphological forms	Identifying the most important ice shapes	2	22
person -In tests	person -In lectures	Different geomorphological environments	Identifying the most important geomorphological environments	2	23
person -In tests	person -In lectures	Geomorphological regions of the world	Identifying the geomorphological regions of the world	2	24
person -In tests	person -In lectures	Structural Geomorphology	Identifying morphotekton	2	25
person -In tests	person -In lectures	Applied Gemophology	Identifying the most important applied projects	2	26
person -In tests	person -In lectures	In the field mining, of oil and groundwater	Understanding the importance of gemorr in mining, oil, and groundwater	2	27
person -In tests	person -In lectures	The role of geomorphology in the	the Understanding relationship geysers between	2	28

		construction of roads, irrigation, dams and reservoirs	and road, irrigation, dam, and reservoir projects		
person -In tests	person -In lectures	The role of geomorphology in improving and regulating rivers	Understanding the relationship between geomorphology and river management	2	29
person -In tests	person -In lectures	The role of geomorphology in military movements. Natural resources and the environment	Understanding the importance of geomorphology in the military field and the search for, exploitation and preservation of natural resources	2	30
person-In tests	person - In lectures	Reservoir Geomorphology	the Understanding geomorphology of reservoirs and their importance	2	31
			Final exams	—	4 , 3 May

Course Name .1
Computer Principles
Course Code .2
104 GCS
Term/Year .3
2026-2025
Date this description was prepared .4
2025/9/18
Available attendance formats .5
person lectures-In
Total number of study hours / Total number of units .6
hours / 3 units 60
(it Name of the course coordinator (if there is more than one, mention .7

:Name: Dr. Abdulrahman Abdulkarim Yahya Jassim Email abdulrahman.yahya@tu.edu.iq

Course Objectives .8

:Course objectives

- 1- computer The Ministry of Education was provided with specialized staff to teach .science in secondary schools
- 2- To enable students to become familiar with aspects of spatial analysis of geographical factors affecting spatial variation
- 3- To enhance students' awareness of the diverse geographical, cultural and scientific .f this discipline horizons o
- 4- Enhancing the ability to interact with modern developments in geography through geographic technology
- 5- To equip graduates with the ability to deal with students by teaching the geography geographic technology subject according to the modern curriculum based on . represented by geographic information systems and remote sensing

Teaching and learning strategies .9

strategy

- Oral and written tests, individual and .group, theoretical and practical
 - Direct observation of the student's performance in the areas of dialogue, intellectual and scientific communication, and teamwork within the classroom, college and .university environment
- Students are assigned to prepare scientific research papers to test their solve ability to think, deduce, and .problems

Course Structure .10

Credit Hours		Course name	Course code	Academic stage
practical	theoretical			
30	60	computer		First
4	8		Computer concept	
2	4		computer generations	
2	4		Types of computers	
3	6		Computer Features	
3	6		program Office	

2	4		Word program	
2	4		Word program	

Course Evaluation .11

:The grade is distributed as follows

- (Two exams in the first course (20 marks -1
- (Exam No. 2, Second Semester (20 marks -2
- (Reliance on classroom participation (5 marks -3
- (Homework (5 marks -4
- (Final exam for the academic year (50% -5

Learning and teaching resources .12

Windows operating system, Microsoft Office software	(Required textbooks (methodology, if applicable
	(Main references (sources
	books and references Recommended supporting (...scientific journals, reports)
Link to the program on the internet, and its applications in similar .universities	Electronic references, websites

Course Name .1

Ancient Iraq

Course code .2110GAHi

2026 -Term/Year 2025 .3

Date this description was prepared: 18/9/2025 .4

for lectures Available attendance formats .5 immanence

Total number of units: 4 .hours 60 / Total study hours .6

(Name of the course coordinator (if there is more than one, mention it) .7

Name: M.M. Nadera Helan Yaqoub :Email nabera.h@tu.edu.iq

Course Objectives .8

<ul style="list-style-type: none"> • students' ability to Developing understand the course of humanity ancient Iraq over the past tens in of thousands of years • To give students an understanding of the history of ancient Iraq, the origins of its civilization, and its development since the middle of the last century • To enable students to understand principles of ancient Iraq, the basic supported by cuneiform and .Assyrian texts 	Course objectives
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Teaching and learning strategies .9

.Using brainstorming to develop skills The discussion style in daily lectures inside the .classroom	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Historical Geography of Iraq	Introduction/Place and Time of Ancient Iraq	2	September 3
person -In tests	-For in person lectures	Location and topography, population composition, climate	Chapter One/Geographical Factors Influencing the History and Civilization of Iraq	2	September 4
person -In tests	-For in erson p lectures	Definition of history	Chapter Two/The Meaning of History	2	October 1
person -In tests	-For in person lectures	Historical documentation includes	Understanding Prehistoric Times	2	October 2
person -In tests	-in For person lectures	Texts, calendars, king tables, annals, contemporary history	Identifying historical records	2	3 October

person -In tests	-For in person lectures	Dates by year according to events	Understanding the calendar in ancient Iraq	2	October 4
person -In tests	-For in person lectures	It includes, according to the kings the years, the Limo	Learning about the history of the years	2	November 1
person -In tests	-For in person lectures	Archaeological excavations include	Chapter Three/Information Sources on the History of Ancient Iraq	2	November 2
person -In lectures	person -In lectures	Excavation and archaeological mounds	Identifying archaeological excavations	2	November 3
person -In tests	person -In lectures	Archaeological layer and cultural role	archaeological layers	2	November 4
person -In tests	-For in person lectures	Archaeological excavation process	Understanding the excavation process	2	December 1
person -In tests	person -In lectures	Date of discovered artifacts and determination of time periods and sequence	Identifying the nomenclature of civilizational roles	2	December 2
person -In tests	-For in person lectures	Layer sequence, study of artistic style	History of discovered artifacts and sequence of roles	2	December 3
person -In tests	-For in person lectures	And include Astronomical observations	Cuneiform script recognition	2	December 4
person -In lectures	person -In lectures	The Stone Ages include	Chapter Four/Prehistoric Library -and Proto Eras	2	January 1
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Mesolithic period	Identifying the Mesolithic Age	2	February 1
person -In tests	person -In lectures	Neolithic Age	Neolithic Recognition	2	February 2
person -In tests	person -In lectures	The Chalcolithic Age	Identifying the Metal Age	2	February 3
person -In tests	person -In lectures	literate era-Proto	Identifying the Biblical Era-Proto	2	February 4
person -In tests	person -In lectures	This includes stone tools and	Understanding aspects of Iraqi	2	March 1

		.implements	civilization in prehistoric times		
person -In tests	person -In lectures	includes This pottery, seals, and .writing	Identifying pottery tools	2	March 2
person -In tests	person -In lectures	Iraqi peoples in prehistoric times	Chapter Four/ The Iraqi Peoples and Their Languages	2	March 3
person -In tests	person -In lectures	Sumerians The and their language	Learning the Sumerian language	2	March 4
person -In tests	person -In lectures	Island peoples and their languages	Identifying the ancient Iraqi peoples	2	April 1
person -In tests	person -In lectures	Origin of the Akkadian language	Learning the Akkadian language	2	April 2
person -In tests	person -In lectures	Akkadian grammar	Learning the rules of the Akkadian language	2	April 3
person -In tests	person -In lectures	History of the Akkadian language	Learning the Akkadian language	2	April 4
person -In tests	person -In lectures	Sumerian and Akkadian	Other peoples	2	May 1
_____	-Problem solving method	General review		2	May 2
		Final exams			May 3, 4

Course Evaluation .11

for each semester, divided as marks for the annual coursework, with 25 marks allocated 50 :follows
marks for the written exam 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12

Ancient History of Iraq by Dr. Amer Suleiman	Required textbooks (methodology, if (applicable
Study of Ancient Iraq / Nabila Muhammad Abdul Halim, Kramer / Sumerian Tablets, Ahmed Fakhry / Studies in the Ancient Near East	(Main references (sources
Taha Baqir/Introduction to the History of Ancient Civilizations	Recommended supporting books and (...journals, reports references (scientific
The Iraqi Electronic Library on the Wayback Machine websitetimr or tameleane2017 A . .copy is saved on the website	Electronic references, websites

Course Name .1					
Educational Psychology					
Course Code .2					
Term/Year .3					
Academic year 2025/2026					
Date this description was prepared .4					
18/9/2025					
Available attendance formats .5					
person and online-In					
Total study hours / Total unit hours: 60 hours .6					
units hours / 4 60					
(Name of the course coordinator (if there is more than one, mention it .7					
:Name: M.M. Khaled Waleed Noufan Email Khalid.waleed@tu.edu.iq					
Course Objectives .8					
<p>to the principles of Introducing students educational psychology</p> <p>To help students understand the -2 historical basis for the emergence of educational psychology</p> <p>Making students appreciate the -3 importance of the social foundation of the educational process</p> <p>familiar with the term Making students -4 "remembering"</p> <p>Making students understand the role of -5 educational psychology in the educational process</p> <p>They know the meaning of forgetting -6</p>			<p>Course objectives</p>		
Teaching and learning strategies .9					
Lecture, discussion, questioning			strategy		
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Achievement	Lecture and	Historical	Educational	2	the first

tests	discussion	Overview	and psychological sciences		
Achievement tests	Lecture and discussion	The meaning of psychology	Educational and psychological sciences	2	the second
Achievement tests	Lecture and discussion	Branches of Psychology	Educational and psychological sciences	2	the third
Achievement tests	Lecture and discussion	Educational goals	Educational and psychological sciences	2	Fourth
Achievement tests	Lecture and discussion	Theories of Education	Educational and psychological sciences	2	Fifth
Achievement tests	Lecture and discussion	Behavioral theory	Educational and psychological sciences	2	Sixth
Achievement tests	Lecture and discussion	Cognitive theory	Educational and psychological sciences	2	Seventh
Achievement tests	Lecture and discussion	Sources for deriving behavioral goals	Educational and psychological sciences	2	Eighth
Achievement tests	Lecture and discussion	Attention	Educational and psychological sciences	2	Ninth
Achievement tests	Lecture and discussion	Objective factors affecting attention	Educational and psychological sciences	2	tenth
Achievement tests	Lecture and discussion	Subjective factors affecting attention	Educational and psychological sciences	2	eleventh
Achievement tests	Lecture and discussion	memory	Educational and psychological sciences	2	twelfth
Achievement tests	Lecture and discussion	Factors affecting	Educational and	2	thirteenth

		memory	ical psycholog sciences		
Achievement tests	Lecture and discussion	memory	Educational and psychological sciences	2	fourteenth
Achievement tests	Lecture and discussion	Types of memory	Educational and psychological sciences	2	fifteenth
Achievement tests	Lecture and discussion	How does remembering ?happen	Educational and psychological sciences	2	Sixteenth
Achievement tests	Lecture and discussion	Forgetting	Educational and psychological sciences	2	seventeenth
Achievement tests	Lecture and discussion	Chapter test	Educational and psychological sciences	2	eighteenth
Achievement tests	Lecture and discussion	Factors that contribute to forgetfulness	Educational and psychological sciences	2	nineteenth
Achievement tests	Lecture and discussion	Transfer of learning	Educational and psychological sciences	2	Twenty
Achievement tests	Lecture and discussion	Helping factors	Educational and psychological sciences	2	one-Twenty
Achievement tests	Lecture and discussion	Learning and teaching	Educational and psychological sciences	2	second-Twenty
Achievement tests	Lecture and discussion	How does learning ?happen	Educational and psychological sciences	2	third-Twenty
Achievement tests	Lecture and discussion	The difference between learning and teaching	Educational and al psychologic sciences	2	fourth-Twenty
Achievement tests	Lecture and discussion	behavior	Educational and psychological	2	fifth-Twenty

			sciences		
Achievement tests	Lecture and discussion	Genetic determinants of behavior	Educational and psychological sciences	2	sixth-Twenty
Achievement tests	Lecture and discussion	Environmental determinants of behavior	Educational and psychological sciences	2	seventh-Twenty
Achievement tests	Lecture and discussion	Term exam	Educational and psychological sciences	2	eighth-Twenty
Achievement tests	Lecture and discussion	Bloom's Taxonomy of Goals	Educational and psychological sciences	2	ninth-Twenty
Achievement tests	Lecture and discussion	Goal Major's Ranking	Educational and psychological sciences	2	thirty

Course Evaluation .11

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

Learning and teaching resources .12

Educational Psychology	Required textbooks (methodology, if applicable)
Books on school psychology and educational psychology	(Main references (sources
Psychology references	Recommended supporting books and (...reports ,references (scientific journals
	Electronic references, websites

Course Name .1

Geography Section -General Arabic

Course Code .2

Term/Year .3

Annual course

Date this description was prepared .4

18/9/2025

Available attendance formats .5

person classroom lectures + an online classroom on-InCIASS ROOM which will serve as a ‘ person lectures, accessible via the link-supplementary classroom to the in

<https://classroom.google.com/c/NzkyMzk2MDExMTYw?cjc=zij6sxf> as per the instructions of the Ministry of Higher Education and Scientific Research

Total number of study hours / Total number of units .6

60

(mention it Name of the course coordinator (if there is more than one .7

Name: Dr. Hadeel Thamer Ibrahim Emailhadeel.thamer@st.tu.edu.iq

Course Objectives .8

The student should be able to -A1 master the rules of Arabic grammar, morphology, spelling, by understanding and expression the morphological scale, distinguishing between types of plurals, parts of speech, and inflectional endings, and conjugation recognizing verb

The student should be able to -A2 language skills by apply distinguishing between letters of the alphabet, mastering diacritical marks and the rules for writing the hamza, and reducing common linguistic errors

to The student should be able -A3 understand Arabic literature through poetic examples, develop literary taste, and understand and analyze the text

enable the student to To -A4 develop the ability to read the Qur'anic text correctly and understand the general meaning of hadiths the verses and

The student should become -A5 with Arabic dictionaries familiar by learning how to search for them and understanding the meanings of unfamiliar words in the Holy Quran

The student should be able to -A6 perceive the rhetorical beauty in texts

Course objectives

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Teaching and learning strategies .9

	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance and exams	Lecture	Introducing students to Hajj -Surah Al and its interpretation	Mental and cognitive skills	2	November 2
Classroom performance and exams	Lecture	The noble Prophetic Hadith: "I was sent only to perfect good morals."	Mental and cognitive skills	2	November 3
Classroom performance and exams	Lecture	by A poem Antarah ibn Shaddad	Mental and cognitive skills	2	November 4
Classroom performance and exams	Lecture	Morphological balance	Mental and cognitive skills	2	December 1
Classroom performance and exams	Lecture	Verb conjugation in terms of 'soundness weakness, detachment , and augmentation	Mental and cognitive skills	2	December 2
Classroom performance and exams	Lecture	Attributing the verb to pronouns	Mental and cognitive skills	2	December 3
Classroom performance and exams	Lecture	Plurals in Arabic	Mental and cognitive skills	2	December 4
Classroom performance and exams	Lecture	Derivatives in the Arabic language	Mental and cognitive skills	2	January 1
Classroom performance exams and	Lecture	Solar and lunar alphabets	Mental and cognitive skills	2	January 2
Classroom	Lecture	Punctuation	Mental and	2	January 3

performance and exams		marks in Arabic writing	cognitive skills		
Classroom performance and exams	Lecture	Rules for writing the hamza	Mental and cognitive skills	2	January 4
Classroom performance and exams	Lecture	Arabic dictionaries	and Mental cognitive skills	2	February 1
classroom performance	Lecture	The defective, shortened, and lengthened noun, its dual and plural forms	Mental and cognitive skills	2	February 2
Classroom performance and exams	Lecture	The sound verb the weak verb -	Mental and cognitive skills	2	February 3
Classroom performance and exams	Lecture		Mental and cognitive skills	2	February 4
year -Mid break starts on 3/1 and ends on 3/8					March 1
Classroom performance and exams	Lecture	-Surah Al -Baqarah 260 263	Mental and cognitive skills	2	March 3
Classroom performance and exams	Lecture	The noble Prophetic Hadith: "The best among you are those who learn the Qur'an and teach it."	Mental and cognitive skills	2	March 4
Classroom performance and exams	Lecture	Rumi's -Ibn al poem	Mental and cognitive skills	2	April 1
Classroom performance and exams	Lecture	Human values in Arabic poetry	Mental and cognitive skills	2	April 2
Classroom performance and exams	Lecture	verses Seven from the poem Peace be upon " the tall, slender -ones" by Al Jawahiri	Mental and cognitive skills	2	Nissan3
Classroom performance	Lecture	Parts of Speech	Mental and cognitive	2	April 4

and exams			skills		
Classroom performance and exams	Lecture	and Inflected indeclinable, definite and indefinite	Mental and cognitive skills	2	May 1
Classroom performance and exams	Lecture	Subject and predicate	Mental and cognitive skills	2	May 2
Classroom performance and exams	Lecture	The abrogating agents	Mental and cognitive skills	2	May 3
Classroom performance and exams	Lecture	The noun in terms of gender masculine and) (feminine	skills and mentality cognitive	2	May 4
Classroom performance and exams	Lecture	The name in terms of abstraction and augmentation	skills and mentality cognitive	2	June 1
classroom performance	Lecture	Arabic dictionaries the) methodology of -my school, Al Thaqafiya and Sahah, and -Al practicing extracting (words	skills and mentality cognitive	2	June2
classroom performance	Lecture	Arabic rhetoric the science of) figures of speech and its impact on the eloquence of (speech	Mental and cognitive llsski	2	June3
Starts6/26	Final exams				June4

Course Evaluation .11

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

Learning and teaching resources .12

Specialized -General Arabic for Non Sections: Sabah Ali Suleiman	Required textbooks (methodology, if (applicable
Specialized -General Arabic for Non Habib -Departments (Tikrit University General Arabic for -Azzawi) -Ahmed Al Specialized Departments: Amin Abdul -Non Qadir Hassan	(rences (sourcesMain refe
	Recommended supporting books and

	(...references (scientific journals, reports
• Our Arabic Library Forums	Electronic references, websites

Course Name .1	
English Language/ First Stage	
Course Code .2	
Term/Year .3	
Annual course	
Date this description was prepared .4	
18/9/2025	
Available attendance formats .5	
Total number of study hours / Total number of units .6	
60	
(Name of the course coordinator (if there is more than one, mention it .7	
Assistant Professor: Sahar Azzam Naama Hamad ahabd@tu.edu.iq	
Course Objectives .8	
<p>1- Its aim is to strengthen students' learning to use English as a foreign language in order to strengthen help them enrich their knowledge and understanding of terms and phrases and their four skills (reading, writing, speaking and listening). Also, learning English helps them .to communicate with different people around the world</p> <p>2- .Teaching the student how to use English grammar rules in conversation</p> <p>3- present, past, present continuous, and past continuous), the use of) Teaching students verbs .adjectives and adverbs, how to ask questions using verbs, and the use of question words</p> <p>4- Students in the History Department become familiar with the rules, principles, concepts, .ry, and meanings of the English language according to the prescribed curriculumvocalula</p>	
Teaching and learning strategies .9	
	strategy
Course outcomes, teaching and learning methods, and assessment .10	
<ul style="list-style-type: none"> • Cognitive objectives <ul style="list-style-type: none"> 1- .and use blended learning To be able to understand the material 2- .To be able to understand conversation in English in some everyday situations 1- .Knowledge and understanding of the study subjects • .based objectives of the course-The skills <ul style="list-style-type: none"> 1- the required method to The student acquires the necessary skills at the level of 	

.accomplish it

2- .The student acquires the required intellectual and cognitive skills

3- .He participates in discussions and dialogues using English vocabulary

- Teaching and learning methods

Teaching methods (lecture, discussion, observation, listening) and others, as well as the use of playing, -blended learning and modern teaching methods (brainstorming, active learning, role learning using -ram and elearning prog-solving), modern educational technology, self-problem .multimedia technology via the Internet

- Assessment methods

.Daily exams, oral exams, monthly exams, quarterly reports for theoretical material -1

2- .Additional marks are allocated for classroom and extracurricular activities

- based objectives-e and valueAffectiv

1- Developing students' awareness of the importance of the English language in daily and .academic life

2- .The ability to analyze, deduce, evaluate, and make judgments

3- .elopment of the studentContributing to the intellectual, personal, and professional dev

4- To promote and develop the student's positive attitude towards learning the English .language

5- .Developing the student's awareness of foreign culture

- Teaching and learning methods

1- he rules and principles of the Curricula for teaching innovation and knowledge of t .English language

2- .Adopting blended learning through the use of multimedia technology

- Assessment methods

1- .Written and oral tests

2- .Training students to use modern teaching methods and techniques

3- .conduct research related to the fields of English language Students are assigned to

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

5- Using the curricula of similar departments in other colleges where English is part of the .umcurricul

6- visual) presentation media that use the English -Communication with external (audio .language

.10 Course Structure

Evaluation Method	Teaching method	Learning outcomes	Unit/Topic Name	Hours	Week
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 1 Hello	am /are / is What's this in English Numbers 1-10 Plurals Good morning!	2	1
Oral and written tests assignments and	Lecture, collaborative learning, discussion	Unit 2 Your world	Countries Questions Adjectives Numbers 11-30	2	2
Oral and written tests and assignments	Lecture, collaborative learning,	Unit 3 All about you	Jobs Is / isn't Questions &	2	3

	discussion		Negatives Vocabulary		
Oral and written tests and assignments	•Lecture collaborative learning, discussion	Unit 4 Family & friends	Possessive's my/our/her Has/have The family	2	4
	monthly exam		monthly exam	2	5
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 5 The way I live	Sports / Food / Drink Present simple How much is it?	2	6
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 6 Every day	The time Present simple Prepositions: in, at, on Words that go together Days of the week	2	7
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 7 My favorites	Questions Pronouns me/him Possessive adjectives my/mine This/that Can I	2	8
	monthly exam		monthly exam	2	9
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 8 Where I live	Room & furniture There is / there are Prepositions on / under / next to directions	2	10
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 9 Times past	Saying years Was / were Past simple Have/do/go Months & dates	2	11
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 10 We had a great time!	Regular verbs Making questions Sports & leisure activities Going sightseeing	2	12
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 11 I can do that!	Can/can't Adverbs Requests & offers Adjectives +	2	13

			nouns		
	monthly exam		monthly exam	2	14
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 12 Please and thank you	Some/any I'd like a.... Offering things Food	2	15
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 13 Here & now	Colours & clothes Present continuous Opposite verbs What's the matter?	2	16
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 14 It's time to go	Future plan Grammar revision Vocabulary revision Social expression	2	17
	monthly exam		monthly exam	2	18
		a lecture	General review of the material	2	19

.10 Infrastructure

* New Headway Plus Beginner-Intermediate Students Book. * New Headway Plus Beginner-Intermediate Students workbook.	Required textbooks .1
<ul style="list-style-type: none"> instructors for each matter-Archived lectures by subject course 	Main references .2 (sources)
<ul style="list-style-type: none"> and curriculum prescribed by the Scientific Textbooks .Committee and the Academic Accreditation Committee 	a) Recommended books scientific) and references (.journals, reports, etc
https://elt.oup.com/student/headway/beg/test	b) Electronic references, ...websites

Course Name .1
Principles of primary education
Course Code .2
Year / Term .3
2026-2025 Year

Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
An online classroom at + Class attendance https://classroom.google.com/c/Njg3MzE2MzQwMzc2?cjc=q5cwvvd It will be a support person class and will be linked to-class for the inykgk3hs according to the regulations and . instructions of the Ministry of Higher Education and Scientific Research					
units number of Total / number of study hours Total .6					
units 2 : Units / hours 60 = hours per week 2					
(if more than one) Name of the course coordinator .7					
: Email M.M. Noor Firas Abdul Karim : Name noor.firas@tu.edu.iq					
(From a name mentioned)					
Objectives Course .8					
The curriculum aims to prepare students for the : teaching profession by introducing them to Understanding the concept of education, both -1 .linguistically and technically .Understanding the functions of education -2 . Statement of educational objectives -3 Knowledge of education in the civilization of – 4 Mesopotamia and .The Nile Valley					
Teaching and learning strategies .9					
.Lecture method – 1 .The method of discussion and questioning – 2 .solving problems A method for – 3			strategy		
date of the the •2025/5/19 and end on 2025/11/1 Studies began on : Course Structure .10 . start of final exams					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance and exams	Lecture method	The meaning of education, linguistically and		2	November 1

		technically			
Classroom performance and exams	Discussion and questioning	Education jobs		2	November 2
Classroom performance and exams	Discussion and questioning	Educational goals and their significance		2	November 3
Classroom performance and exams	Problem solving	The modern concept of education		2	November 4
Classroom performance and exams	Discussion and questioning	The educational goal and the learning objective of education		2	December 1
Classroom performance and exams	Discussion and questioning	Historical Foundations of Education		2	December 2
Classroom performance and exams	Discussion and questioning	The importance of studying the historical foundations of education		2	December 3
Classroom performance and exams	Dialogue method	The development of education in different eras		2	December 4
Classroom performance and exams	Discussion and questioning	Education in primitive societies		2	January 1
Classroom performance and exams	brainstorming	Education in ancient civilizations		2	January 2
Classroom performance and exams	Discussion and questioning	Education in the civilization of Mesopotamia		2	January 3
Classroom performance and exams	Discussion and questioning	Education in the Nile Valley Civilization		2	January 4
Classroom performance and exams	Discussion and questioning	The aims of ancient Egyptian education		2	February 1
Classroom performance and exams	and Discussion questioning	Chinese education (its characteristics and main features)		2	February 2
		Spring break		2	February 3
Classroom performance	Discussion and questioning	The school system in Chinese		2	February 4

and exams		education			
Classroom performance and exams	Discussion and questioning	Greek education		2	March1
Classroom performance and exams	Discussion and questioning	The education system in Sparta		2	March2
Classroom performance and exams	Discussion and questioning	The education system in Athens		2	March3
Classroom performance and exams	Problem solving	Medieval education, Christian education		2	March4
Classroom performance and exams	Discussion and questioning	Education before Islam: its principles, problems, and solutions		2	April1
Classroom performance and exams	and Discussion questioning	Education in Islam		2	April2
Classroom performance and exams	brainstorming	Islamic educational institutions (tribe - school - (mosques		2	April3
Classroom performance and exams	Discussion and questioning	Leading figures in Islamic educational thought (Ibn Sina, (Ibn Khaldun		2	April4
Classroom performance and exams	Discussion and questioning	Modern -Education (Al (Mawardi		2	May1
Classroom performance exams and	Discussion and questioning	Principles of Modern Education		2	May2
Classroom performance and exams	Discussion and questioning	Leading figures of Western educational -thought (Jean Jacques (Rousseau		2	May3
		review		2	May4

Course Evaluation .11

is distributed according to the tasks assigned to the student, such as daily preparation, 100 .etc ‘ daily, oral, monthly, and written exams, reports

:The grade is distributed through several channels	
1- monitoring student Formative assessment includes daily quizzes, observing and class -performance in class discussions and homework assignments, and in .assessment. This component accounts for no more than 20% of the total grade	
2- The diagnostic assessment is based on semester and final exams to determine pass il grades. This assessment is worth 80% and is divided into (4) exams, two and fa .exams per semester, to determine the annual grade before entering the final exams	
Learning and teaching resources .12	
of Education, authored by Dr. Principles .Awadi-Khayyat Al-Murtadha Raad Radhi Al	Required textbooks (methodology, if (applicable
Dr. Ibrahim ‘ Principles of Education -1 Nasser Hussein . Principles of Modern Education and – 2 Mohsen Ali .Educational Systems, by Dr .Attia	(Main references (sources
It is a recent publication and View everything reviewed scientific -is published in peer .journals	supporting books and Recommended (...references (scientific journals, reports
http://www.alkutubcafe.com/book/83rjar.html	Electronic references, websites

1- Course Name	
Africa and Australia	
2- code decision	
GGAA 108	
3. Term/ Year	
2025 - 2026	
4. Date numbers this Description	
2025/9/18	
5. Availability Available	
Lectures immanence	
6. Number Hours Academic(Total) / Number Units(Total)	
60 hours/ 4 units	
7. Name The course The decision(if more from name Forbidden)	
Name: .M.MZainab fineness Bandar Email zainab.bandar337@tu.edu.iq	
8. Goals decision The	
1- That It differentiates students between Africa, Geography Australia, and The other2- that Attracts students on level Contrast difference and in Field Subscriber Subscriber To him and level Its spread and explanation Degree Relativity .3 Capacity students on Discuss it and explanation importance interest In studies Related In studies Specialized In Africa and Australia	Goals Material Study
9. Selection education and learning	
– Request from Students familiarity With the past natural on Material Geography Africa, and the foundations ‘Australia that Based To her	strategy

in Study. – Attempt link Vocabulary Material
 Study For students trumpeter Students- Method
 discussion in a lecture Year inside the university
 Academic.

10. System The ruling

road Evaluation	road Learning	name Unity or the topic	outputs Learning Required	Hours	Week
ability on the audience	Lectures Attendance	Geography and Africa Australia and the importance of infrastructure	Definition Geological intention	2	October Second1
ability on the audience	Lectures Attendance	The topography of the African continent	topography	2	October Second2
ability on the audience	Lectures Attendance	The impact of water bodies on the continent	climate	2	October Second3
ability on the audience	Lectures Attendance	Types Except for climatic regions	regions Climatic	2	October Second4
ability on the audience	Lectures Attendance	The importance of natural vegetation in the African continent	natural plant	2	Canon First1
ability on the audience	Lectures Attendance	Identifying the most important plant regions in the African continent	regions Plant	2	Canon First2
ability on the audience	Lectures Attendance	distribution Soil and the most important problems it faces	soil	2	Canon First3
ability on the	Lectures Attendance	Identifying the most	Water resources	2	Canon First4

audience		important rivers in Africa			
ability on the audience	Lectures Attendance	about Learn the key demographic characteristics of the population in Africa	Population	2	Canon Second 1
ability on the audience	Lectures Attendance	Causes of economic backwardness	Understanding the economic situation	2	Canon Second 4
ability on the audience	Lectures Attendance	The most important agricultural routes in Africa	Understanding the basics of grazing and agriculture	2	February1
ability on the audience	Lectures Attendance	mineral wealth	Identifying the most important mineral resources	2	February1
ability on the audience	Lectures Attendance	metallic minerals	Learn about metallic minerals	2	February2
ability on the audience	Lectures Attendance	The impact of trade and transportation on economy	The importance of trade and transportation	2	February2
ability on the audience	Lectures Attendance	Saharan -Sub Africa	Studying case -studies from sub Saharan African countries	2	
2026 - 2/2 -Spring break 18/1					
ability on the audience	Lectures Attendance	Understanding the importance of topography in Nigeria	Federal Republic of Nigeria	2	February4
ability on the audience	Lectures Attendance	natural regions	Identifying natural regions	2	March1
ability on the audience	Lectures Attendance	Northern Nigeria region	The importance of the northern region of Nigeria	2	March2
ability on	Lectures	Trade and	The importance of	2	March3

the audience	Attendance	Transport	trade and transportation		
ability on the audience	Lectures Attendance	Republic of Ghana	Getting to know the Republic of Ghana	2	March4
ability on the audience	Lectures Attendance	Natural phenomena	The importance of natural features	2	April1
ability on the audience	Lectures Attendance	Trade and Transport	The importance of trade and transportation	2	April2
ability on the audience	Lectures Attendance	Transportation	The importance of transportation	2	April3
ability on the audience	Lectures Attendance	The importance of agriculture	Getting to know agriculture	2	April4
ability on the audience	Lectures Attendance	East African region	acquainted Getting with the East African region	2	Mays1
ability on the audience	Lectures Attendance	Republic of Kenya	Getting to know the Republic of Kenya	2	Miss2
ability on the audience	Lectures Attendance	Republic of Tanzania	Getting to know the Republic of Tanzania	2	
ability on the audience	Lectures Attendance	Central African region	Getting acquainted with the Central African region	2	
ability on the audience	Lectures Attendance	Surface features, and climate natural vegetation	Getting to know the republic	2	
ability on the audience	Lectures Attendance	Republic of Zaire	identification on Republic of Zaire	2	
			Finals Final	___	Miss3 4

11. Evaluation The course

50 degrees For the kitchen Realistic25 degrees per season And the section As follows: 20 degrees For the exam Editorial5 Distribution For daily distribution between Exams Daily or 50 Degrees Stories exam last Year

12. Sources Learning and teaching

studies in Geology	Books Specific(methodology that I found the reviewer Main(Sources)
Jabbar and -Ibrahim Abdul Mashharani-Al Saharan -Din, Sub-Dr. Ahmed Najm Al College of / Africa, University of Baghdad Education I	

nothing	Books References chock that Magazine discounts (Scientific Reports...)
nothing	the reviewer (Electronic Sites The Internet

Course Name .1	
Democracy and human rights	
Course Code .2	
stage First	
Annual System /Semester .3	
2026/2025 academic year	
Date this description was prepared .4	
18/9/2025	
Available attendance formats .5	
Classroom lectures	
Total number of study hours / Total number of units .6	
(units 2) (Number of units (total - hours 30 = week per hour 1	
Name of the course coordinator .7	
Rawad Saeed Mohammed . millimeterraowad.saeed@tu.edu.iq	
Course Objectives .8	
<p>and life style to choose As freedom His freedoms human It includes -1 Political Trends and choosing Expression freedom . The individual In it He wants that For For individuals freedoms that all insurance Guarantees - 2 . side any before from persecution assault from protection With dignity man To live and necessary Lowest Limit Guarantee - 3 Basic needs His level on whether . And others and learning Housing Like food</p>	Course objectives
Delivering lectures using questioning, discussion, : Teaching and Learning Strategies .9 with the aim of democracy and human rights explanation, and clarification of the subject of .full objectives of the course content achieving the	
<ul style="list-style-type: none"> - .(Giving lectures) Standard method - Discussion and questioning method 	strategy
is the which (2026/6/25 on and ends 2025/11/9 began on course Course Structure: The .10 . date of the start of the final exams	

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance daily , quizzes, and oral questions	In a lecture Text a way The or The way scale	Human rights concept - being man rights	The ability to develop knowledge in the fields of human rights and democracy and to employ it in addressing them .historically	1	November 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	rights features man	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	October Second 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	man rights Types study importance man rights	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	November 3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	in man rights Old Iraqi Laws	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	November 4
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	in man rights The two Judaism religions Christianity	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	December 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Features features in man rights Islam	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing	1	December 2

performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	the month exam first	Historically on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	December 3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	development in man rights era in England Renaissance Rights petitioner Regulations / Rights	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	December 4
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	in man rights thinkers Writings The in French two horns And ten Seventh ten the eighth Christians	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	January 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Advertisement rights American / Human Advertisement rights French man	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	January 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Confession International rights regional man	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	January 3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	legitimacy International man rights	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	January 4

performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Organizations not International and Government man rights issues	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	February 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text way a The or The way scale	the month exam second	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	February 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	and Rights in freedoms Constitution For the year Iraqi 2005	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	February 3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	the chapter the Academic second	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	February 4
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	- Democracy Concept Democracy	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	March 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	and forms Types Democracy	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	March 3
performance	In a lecture	order features	on ability	1	March 4

and Safi-Al Daily exams And the questions oral	Text a way The or The way scale	Democratic	development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically		
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Advantages Democracy	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	April 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Evolution For Historical democracy	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	April 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	and Democracy public freedoms Islam in	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	Nissan3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	the month exam first	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	April 4
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	philosophers role to in and thinkers ideas publish in Democracy In the era Europe Renaissance	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	May 1
performance and Safi-Al	In lecture a Text a way	and Democracy public freedoms	on ability development	1	May 2

Daily exams And the questions oral	The or The way scale	Iraq in	My in Knowledge and man rights field and democracy in employing it she has Addressing Historically		
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	in electoral order order framework Democratic	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	May 3
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Freedom concept Freedom Types /	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	May 4
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	Fundamental guarantees of public freedoms	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	June 1
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	The concept of extremism, its causes and forms	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	June 2
performance and Safi-Al Daily exams And the questions oral	In a lecture Text a way The or The way scale	The concept of administrative corruption	on ability development My in Knowledge and man rights field and democracy in employing it she has Addressing Historically	1	June 3

Evaluation Course .11

For the written .marks allocated to each grade 20 with semester grade marks for the 25 exam

Regarding the first / marks are allocated daily, distributed between daily exams or reports 5 semester
 For the written .allocated to each grade marks 20 with ‘semester grade marks for the 25 exam
 Regarding the / marks are allocated daily, distributed between daily exams or reports 5 second semester
 Final grade total out of 100 / exam mark year-of-End /50

Learning and teaching resources .12

Dr. Maher Saleh Alawi and others, Human Rights, Children and Democracy

textbooks (methodology, if Required (applicable

and man rights ‘ Kazim Sabri Maher (1)
 The general public and freedoms democracy
 .
 Its man rights calm Aziz Riyadh (2)
 . its implications - development
 rights ‘ the morning Mohammed Suad (3)
 . Contemporary the world in man
 Human rights ‘Dulaimi-Al Alwan Hafiz . (4)
 . beings
 man rights Hassan My destiny Hamad (5)
 . Basic and his freedoms

(Main references (sources

Ulayawi, Salman Kazem -Samah Mahdi Al Bahadli, Human Rights: Concepts and -Al Foundations
 A collection of books dealing with women’s rights and public freedoms. There is much nd legal research available in political a journals and periodicals in general, or those .specializing in human rights and democracy

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

Reputable websites and online platforms provide a wealth of information on the subject of study, especially on platforms officially approved by the Ministry of Higher) Education such asAcademia Education) ,(Google Scholar) ,(Researchgate and ,(.sother

Electronic references, websites

Course Name .1

Development and Planning

Course Code .2

226 GGDP

Term/Year .3

2026 – 2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5

person lectures-In

units Total number of study hours / Total number of .6

hours / 4 units 60

(Name of the course coordinator (if there is more than one, mention it .7

Name: Dr. Fatima Ibrahim Ta'ma

:EmailFatimah.tuamah471@tu.edu.iq

Course Objectives .8

- concept on Students identification and its role · Planning Development For Planning in geographer . Regional development
- to understand in Students Enabling in and its effect Planning practical Planning knowledge and Development . And the urbanite regional
- Working to help students acquire all aspects of the concept knowledge of of development and planning, enabling them to easily collect the data and information they will need in the future when preparing any research on the .topic of development and planning

Course objectives

Teaching and learning strategies .9

.person lectures-In -
Using the method of asking questions of -
.the students
Using brainstorming to develop students' -
.skills
The method of discussing the details of -
.the lecture topic within the classroom
Weekly assignments

strategy

Structure Course .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	-In person	its – Development its – concept	Understanding development, its concept,	2	September

	lectures	traditional and vision modern	and its traditional and modern vision		4
person -In tests	-In person lectures	Principles and goals of development	Understanding the principles and goals of development	2	October 1
person-In tests	-In person lectures	faced difficulties	Identifying the difficulties facing development	2	October 2
person -In tests	-In person lectures	Obstacles to economic development	Understanding the obstacles to economic development	2	October 3
person -In tests	-In person lectures	Economic backwardness	Understanding the concept of economic backwardness	2	October 4
person -In testes	-In person lectures	Factors contributing to the interest in the topic of underdevelopment	Identifying the factors contributing to the interest in the topic of underdevelopment	2	October 1 second
person -In tests	-In person lectures	Standards of economic backwardness	Understanding the criteria for economic backwardness	2	November 2
person -In tests	-In person lectures	Characteristics of economic underdevelopment Structural / characteristics	Understanding the characteristics of economic underdevelopment/structural features	2	November 3
person -In tests	-In person lectures	Characteristics of economic backwardness / apparent characteristics	Understanding the characteristics of economic backwardness/outward signs	2	November 4
person -In tests	-In person lectures	Theories of economic backwardness	Understanding theories of economic backwardness	2	November 5
person -In tests	-In person lectures	Economic development requirements	Understanding what economic development requires	2	December 1
person -In tests	-In person lectures	The role of the state in light of economic transformations the evolution and of economic thought	Understanding the role of the state in light of economic transformations and the evolution of economic thought	2	December 2
person -In tests	-In person lectures	Justifications for state intervention in economic activity	Understanding the justifications for state intervention in economic activity	2	December 3

person -In tests	-In person lectures	The concept of planning	Understanding the concept of planning	2	December 4
person -In tests	-In person lectures	Planning motives	Understanding the motives behind planning	2	January1
person -In tests	-In person lectures	Planning objectives	Identifying the goals of planning	2	January2
2026 - 2/2 -Spring break 18/1					
person-In tests	-In person lectures	Basic principles characteristics)) .of planning	Understanding the basic principles characteristics) of) .planning	2	1February
person -In tests	-In person lectures	elements or components of planning	Identifying the elements or components of planning	2	February2
person -In tests	-In person lectures	Types of planning	Identifying types of planning	2	February3
person -In tests	-In person lectures	Natural planning	Understanding what natural planning is	2	4February
person -In tests	-In person lectures	Human planning	Understanding Human Planning	2	March1
person -In tests	-In person lectures	Planning stages	Understanding the stages of planning	2	March2
person -In tests	-In person lectures	Planning by level or size	Understanding planning by level or size	2	3March
person-In tests	-In person lectures	Planning in developed countries	Reviewing planning in developed countries	2	March4
person -In tests	-In person lectures	Planning in developing countries	Knowledge of planning in developing countries	2	5March
person -In tests	-In person lectures	Planning theories Classical planning theories	Understanding planning theories	2	April1
person -In tests	-In person	Planning theories Modern planning	Understanding planning theories	2	April2

	lectures	theories			
person -In tests	-In person lectures	Problems and difficulties facing the planning process	Identifying the problems and difficulties facing the planning process	2	April3
person -In tests	-In person lectures	Difficulties arising from individuals in the planning process	Understanding planning difficulties caused by people	2	April4
person -In tests	-In person lectures	Planning difficulties arising from the complexity of the planning process itself	Understanding the planning difficulties from the arising complexity of the planning process itself	2	May1

Final exams

May4.3

Course Evaluation .11

according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, and written exams, reports, etc

The grade out of 100 is distributed

:marks for the annual coursework, with 25 marks for each semester, divided as follows 50 marks for the written exam 20

.person lectures, daily exams, and reports-rks are allocated for daily attendance in inFive ma

.year exam, for a total of (100) marks-of-marks for the end 50

Learning and teaching resources .12

textbooks for the subject, especially the more recent ones	All the required	Required textbooks (methodology, if applicable
The Geography of Development -1 Application) by Dr. -Theories-Concepts)	.Muhammad Dalf Ahmed and others, 2008	(Main references (sources
Othman Muhammad Ghoneim, -2 ment Introduction to Regional Develop	.Planning, 2009 AD	
I recommend using modern sources, including the book "Geography of .Development	In addition to all academic studies and academic scientific research published in scientific journals that are related to the .subject matter	Recommended supporting books and (...references (scientific journals, reports
All studies published on websites that are related to the vocabulary of development and planning geography		Electronic references, websites

Course Name .1

Population Geography	
Course Code .2	
GPG 217	
Term/Year .3	
202 5 - 202 6	
Date this description was prepared .4	
2025/9/18	
Available attendance formats .5	
person lectures-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(coordinator (if there is more than one, mention it Name of the course .7	
:Email M.M. Ruwaida Saad Jaber : Namersaad@tu.edu.iq	
Course Objectives .8	
Introducing students to methods of using -A means, rates, and geographical characteristics research on human phenomena and those related to population geography in order to develop .future plans for them b) Developing students' ability to understand the elements and characteristics of the population tudents' abilities and training c) Developing s them to use statistical methods and tools and linking them to statistical programs	Course objectives
Teaching and learning strategies .9	
person lectures-In - .Using brainstorming to develop skills - daily lecture The discussion method in the -	strategy

.inside the classroom					
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Definition of demography	Introduction to Demography	2	1
person -In tests	person -In lectures	Understanding the concept of demography	concept of The demography	2	2
person -In tests	person -In lectures	Understanding the importance of population studies	The importance of population studies	2	3
person -In tests	person -In lectures	Identifying sources of population data	Understanding the of sources population data	2	4
person -In tests	person -In lectures	Understanding population growth theories	Population growth theories	2	5
person -In tests	person -In lectures	of population Study characteristics	Population characteristics and composition	2	7
person -In tests	person -In lectures	Identifying the types of population structure	Age and gender composition of the population	2	8
person -In tests	person -In lectures	Understanding the distribution of the population between urban and rural areas	Environmental distribution of the population	2	9
person -In tests	person -In lectures	Study of the optimal population size	Optimal population size	2	10
person -In tests	person -In lectures	Understanding world population growth and its future implications	world population growth	2	11
person -In tests	person -In lectures	Understanding the importance of the population pyramid	Population pyramid	2	12
person -In tests	person -In lectures	Understanding the importance of the geographical	Geographical distribution of the population	2	13

		distribution of the world's population			
person -In tests	person -In lectures	Understanding the factors affecting population and distribution density	Factors affecting population distribution and density	2	14
person -In tests	person -In lectures	Studying the elements of population changes	Elements of population changes	2	15
person -In tests	person -In lectures	The importance of population fertility and its relationship to population growth	Population fertility	2	16
person -In tests				17 2	
person -In tests	person -In lectures	Studying mortality and its impact on population size variations	Deaths	2	18
person -In tests	person -In lectures	Studying migration and its impact on growth population	Immigration	2	19
person -In tests	person -In lectures	Understanding the types and kinds of scales	Population fertility rate	2	20
person -In tests	person -In lectures	Knowing crude birth measurements	Birth scale	2	21
person -In tests	person -In lectures	Understanding crude migration metrics	scale Migration	2	22
person -In tests	person -In lectures	A study of marriage and its impact on population fertility	marriage	2	23
person -In tests	person -In lectures	Population and Development Studies in the World	Population and Development	2	24
person -In tests	person -In lectures	The importance of quail and their relationship to food	Population and its relationship to food	2	25
person -In tests	person -In lectures	Knowledge of development and fertility	Development and fertility	2	26
person -In tests	person -In lectures	Studying	Education and	2	27

tests	lectures	development, its importance, and education in society	Development		
person -In tests	person -In lectures	Study of development and health services in community the	Development and health services	2	28
person -In tests	person -In lectures	The impact of development on economic progress in society	Economic development and progress	2	29
person -In tests	person -In lectures	Understanding population policies importance and their in society	Population policies	2	30

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows

marks for the written exam 20

between daily exams or reports marks for the daily work, distributed 5

year exam-of-marks end 50

Learning and teaching resources .12

Fathi Muhammad Abu Ayana, - Population Geography, 5th ed., Dar Al Nahda Al Arabiya for Printing and .Beirut, 200, p. 229 ,Publishing	Required textbooks (methodology, if (applicable
Hadithi, The -Taha Hammadi Al - Systematic Book of Population .Geography	(Main references (sources
All modern population sources, both in the field of ,Arabic and foreign .population science and geography	Recommended supporting books and (...references (scientific journals, reports
All websites related to and concerning population geography vocabulary	Electronic references, websites

Course Name .1

Applied Geomorphology

Course Code .2

G Geo215	
Year / Term .3	
2025 -2026	
Date this description was prepared .4	
2025/9/18	
practical person lectures, both theoretical and	
units number of Total / number of study hours Total .6	
hours / 4 units 60	
(if there is more than one, mention it) Name of the course coordinator .7	
:Email Jubouri-Abdullah Musa Khalaf Al Dr. Ali : Name Ali.Mousa@tu.edu.iq	
Course Objectives .8	
<p>1- on identification from students Enabling Applied science between relationship And it And its history Geomorphology . developed</p> <p>2- Knowledge of surface from students Enabling .and subsurface formations</p> <p>3- Shapes importance in student identification Investing in and possibility the earth surface especially the land slopes, and what · them .problems those slopes are exposed to</p> <p>4- The student was made able to perform morphometric measurements in the study of rivers, as well as to know the importance of geomorphological information in planning .and project management</p>	Course objectives
Teaching and learning strategies .9	
.brainstorming to develop skills Using - The discussion method in the daily lecture - the use of scientific videos -inside the classroom and illustrations to clarify the most important . geomorphological phenomena Fieldwork through field visits and laboratory work	strategy

Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Tests	person -In lectures	Student identification	Getting to know the students	3	1
Tests	person -In lectures	Vocabulary, key resources, and an overview of the exam system and .grade distribution	Introducing students to the most scientific important sources in applied geomorphology Grading and testing system	3	2
person -In tests	person -In lectures My work	and concept science definition Geomorphology Its and its topics methodology and what are the sources of the .field study	Understanding the concept of applied geomorphology, its and development what are the sources -of information in on .site investigation	3	3
person -In tests	and practical lectures	What are the ?types of rocks	rocks	3	4
person -In tests	and practical lectures	The mineral composition of the rocks, porosity and .permeability	Chemical and physical properties of rocks	3	5
person -In tests	and practical lectures	and Joints, folds cracks, their types, and folds and types of folds	Secondary structures in rocks	3	6
person -In tests	and practical lectures	What are the types of gradual or expected stratification, and compatibility incompatibility of ?structures	Stratification, thinning, conformity, and inconformity in rocks and rock .structures	3	7
person -In tests	and practical lectures	What are the types of soils, what factors influence their properties, and what is the relationship between those properties and	Soil identification	3	8

		human activity			
person -In tests	and practical lectures	What is a slope, what are its types, how are slope degrees classified, and what are the elements of slope measurement	Identifying slopes	3	9
person -In tests	and practical lectures	and rapid Slow landslides, what are landslides and subsidence, and what are the methods of reducing the risks of slopes	Problems with slopes	3	10
person -In tests	and practical lectures	Identifying the most important factors that contribute to slope collapse, such as erosion, slope loading, earthquakes, and high water content in the strata	What factors contribute to landslides, subsidence, and rockfalls	3	12
person -In tests	and practical lectures	What is erosion what are the types of erosion	Erosion: its causes and problems	3	13
person -In tests	and practical lectures	What is the effect of climate on erosion and how can the types of erosion and their risks be reduced	The impact of climatic data on erosion	3	14
person -In tests	and practical lectures	Methods and equations used in measuring and estimating the amount of erosion	Methods of measuring erosion	3	15
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In and lectures work	To learn about quantitative measurements and equations in morphometric	Hydromorphometric applications in the study of rivers and waterways	3	16

		applications and how to measure the water network and its river .ranks			
person -In tests	person -In and lectures work	What are river terraces and crescent lakes, and what are the types of waterways, drainage systems, and their patterns	Identifying the river valley and river course	3	17
person -In tests	person -In and lectures work	What are the river drainage patterns, how are the and longitudinal transverse sections of the river channel drawn and measured, and what is the importance of those sections	River drainage systems	3	18
person -In tests	person -In and lectures work	Identifying the elements upon which morphometric studies depend	Morphometric applications on river bends		19
person -In tests	person -In and lectures work	The devices used to measure and estimate water flow, as well as to identify the factors affecting .water flow	Identifying the measurement of river discharge and the quantity and .speed of water flow	3	20
person -In tests	person -In and lectures work	Identifying the most important factors that determine the speed of water drainage, such as the type of rainfall, its	Factors affecting water flow	3	21

		intensity, duration, and direction			
person -In tests	person -In and lectures work	What is the geomorphological information in project planning and what problems does project planning face	Understanding the importance of geomorphological information in engineering project planning	3	22
person -In tests	person -In and lectures work	Planning urban centers, roads, bridges, airports, and more	Engineering projects that rely on geomorphological information in their planning	3	23
person -In tests	person -In and lectures work	Types of dams and reservoirs, their locations and positions, and what natural aspects must be taken into account in the construction of dams and reservoirs	reservoirs Dams and	3	24
person -In tests	person -In and lectures work	Problems with dams built on rivers and dry valleys	Identifying problems with dams and reservoirs	3	25
person -In tests	person -In and lectures work	The importance of geomorphological information in the search for mineral deposits petroleum, rocks, and other resources	The role of geomorphology in the search for natural resources	3	26
person -In tests	person -In and lectures work	the Identifying most important geomorphological information in exploring the presence of groundwater through geophysical methods, satellite	groundwater exploration	3	27

		imagery and remote sensing			
person -In tests	person -In and lectures work	The role of applied geomorphology in selecting suitable sites and locations for military operations and vehicle movement	The role of geomorphology in military field the	3	28
person -In tests	person -In and lectures work	What are remote sensing technologies and what types provide accurate and detailed information about the environmental what reality, and are the military ?limitations	The importance of remote sensing and topographic maps in the military field	3	29
			Final exams		30

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows
 marks for the written exam 20
 marks for the daily work, distributed between daily exams or reports 5
 year exam-of-marks end 50

Learning and teaching resources .12

Primary source Applied Geomorphology, Prof. Dr. Khalaf Dulaimi-Hussein Al	(sources) Main references
Secondary Source / (Applied Geomorphology) Saad Ajil Mubarak	Recommended supporting books and (... references
https://wrragoon.com/%D8%A7%D9%84%D8%AC%D9%8A%D9%88%D9%85%D9%88%D8%B1%D9%81%D9%88%D9%84%D9%88%D8%AC%D9%8A%D8%A7-%D8%A7%D9%84%D8%AA%D8%B7%D8%A8%D9%8A%D9%82%D9%8A%D8%A9-%D8%B9%D9%84%D9%85-%D8%B4%D9%83%D9%84-%D8%A7%D9%84%D8%A3%D8%B1%D8%B6-%D8%A7%D9%84%D8%AA%D8%B7%D8%A8%D9%8A%D9%82%D9%8A-%D8%A7%D9%84%D8%A3%D9%87%D9%84%D9%8A%D8%A9-	websites · Electronic references

%D9%84%D9%84%D9%86%D8%B4%D8%B1 - %D9%88%D8%A7%D9%84%D8%AA%D9%8 8%D8%B2%D9%8A%D8%B9- %D8%AE%D9%84%D9%81- %D8%A7%D9%84%D8%AF%D9%84%D9%8 A%D9%85%D9%8A?srsltid=AfmBOordduNi04 umf33rXH08e- vs9daKNa5U6PtVJZeGTG3fwcIBl8QZ	
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Name Course .1					
Thematic maps					
Course Code .2					
228GTMS					
Year / Term .3					
2026-2025					
Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
60Hour / 4 units					
(if there is more than one, mention it) Name of the course coordinator .7					
: Email Dr. Salam Saud Hussein : Name Salam.s@tu.edu.iq					
Course Objectives .8					
1- Developing students' ability to understand the characteristics and problems of thematic maps, their causes and solutions .world environment-within a real 2- Students gain knowledge and ideas on identifying the most rdinates related important sources for obtaining data and coo .to map drawing 3- To enable students to understand the basic rules of thematic .mapping and to activate its role in developing it in practice					Course objectives
Teaching and learning strategies .9					
.skills Using mental classroom techniques to develop - . inside the classroom The discussion method in the daily lecture -					strategy
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week

person -In tests	person -In lectures	Thematic :maps definition	Understanding the concept of maps	2	September
person -In tests	person -In lectures	Map classification	Understanding map classification	2	1 October
person -In tests	person -In lectures	Geological map	Understanding the geological map	2	2 October
person -In tests	person -In lectures	Components of a geological map	Identifying the components of the map	2	October3
person -In tests	person -In lectures	Geological Ages	Understanding geological eras	2	4 October
person -In tests	person -In lectures	folds	Identifying folds	2	1 November
person -In tests	person -In lectures	Faults	Identifying faults	2	2 November
person -In tests	person -In lectures	Fault classification	Identifying the classification of faults	2	3 November
person -In tests	person -In lectures	The separator	Identifying the separator	2	4 November
person -In tests	person -In lectures	Geomorphological maps	Understanding geomorphic maps	2	1 December
person -In tests	person -In lectures	Types of Earth's surface shapes	Identifying the different types of Earth's surface features	2	2 December
person -In tests	person -In lectures	Geomorphological survey lines	Identifying survey lines	2	3 December
person -In tests	person -In lectures	Weather maps	Understanding weather maps	2	4 December
person -In tests	person -In lectures	Climate maps	Understanding maps climate	2	1 January
person -In tests	person -In lectures	Thematic maps: definition	Understanding the concept of maps	2	
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Population maps	Identifying population maps	2	4 January
person -In tests	person -In lectures	City maps	Learning city maps	2	February 1
person -In tests	person -In lectures	Secondary	Getting acquainted	2	2 February

tests	lectures	commercial centers	with shopping centers		
person -In tests	person -In lectures	Distribution maps	Understanding distribution maps	2	3 February
person -In tests	person -In lectures	Types of symbols	Identifying types of symbols	2	4 February
person -In tests	person -In lectures	Types of font symbols	Identifying the types of font symbols	2	1 March
person -In tests	person -In lectures	Distribution by proportional symbols	Identifying the distribution using relative symbols	2	2 March
person -In tests	person -In lectures	Map of proportional constituencies	Identifying the proportional constituency map	2	3 March
person -In tests	person -In lectures	Relative squares	Identifying Rational Squares	2	4 March
person -In tests	person -In lectures	Relative triangles	Understanding relative triangles	2	1 April
person -In tests	person -In lectures	balls	Identifying balls and cubes	2	2 April
person -In tests	person -In lectures	cubes	Identifying cubes	2	3 April
person -In tests	person -In lectures	Topographic maps	Identifying topographic maps	2	4 April
person -In tests	person -In lectures	The importance of topographic maps	Understanding the importance of maps topographic	2	1 May
person -In tests	person -In lectures	Symbols used in topographic maps	Identifying the symbols used in maps	2	2 May
			Final exams	—	4 - 3 May

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows

Grade for the written exam 15

practical marks 5

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

and teaching resources Learning .12

Dr. Falah Shaker Aswad / Thematic Maps /

methodology, if) Required textbooks

University of Baghdad / 1991	(applicable
Thematic and Practical Maps, Falah Shaker Aswad, Makki Muhammad Aziz	(sources) Main references
Muhammad Salim Qurbuj / Digital -1 Thematic Maps Nasser bin Mohammed Salma / Thematic -2 Maps and Geographic Information Systems	Recommended supporting books and ' reports ' scientific journals) references (.etc
https://www.technnew.com/2016/10/blog-post_28.html?m=1	websites ' Electronic references

Course Name .1
Developmental Psychology / Stage Two
Course Code .2
Year / Term .3
2026-2025 year The
description was prepared Date this .4
2025/9/18
Available attendance formats .5
an online class on + person attendance-InGoogle Classroom will be a support class for the person class, with a link-inkeit5w2 , instructions of the according to the regulations and . Ministry of Higher Education and Scientific Research
units number of Total / number of study hours Total .6
units 2 : Units / hours 60 = hours per week 2
(if more than one) Name of the course coordinator .7
: Email Abd Ahmed Zakaria .Dr .Prof : Namezakariaabed@tu.edu.iq
(From a name mentioned)
Course Objectives .8

The curriculum aims to prepare students for the teaching profession by introducing them to <ol style="list-style-type: none"> 1- psychology, its nature With the aim of understanding and topics 2- Identifying schools of psychology - 3- Branches of psychology in the theoretical and applied directions 	Course objectives
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Teaching and learning strategies .9	
.(giving lectures) The standard method objectives and educational theory - . Formulating educational objectives	strategy

is the which ‘The course began on 17/9/2025 and ends on 19/5/2025 : Course Structure .10 .date of the start of the final exams

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance and exams	Discussion and questioning	Developmental psychology: its definition, importance, and .meaning		2	- September 3
Classroom performance and exams	Discussion and questioning	Laws or general principles of growth		2	4 September
Classroom performance and exams	Discussion and questioning	‘ Stages of growth factors affecting growth		2	1- October
Classroom performance and exams	Discussion and questioning	Genetic and environmental factors		2	2- October
Classroom performance and exams	Discussion and questioning	Research methods in developmental psychology		2	3- October
Classroom	Discussion	Data collection		2	4- October

performance and exams	and questioning	methods: -longitudinal, cross sectional, experimental, correlational			
Classroom performance and exams	Discussion and questioning	Stages of childhood: Definition, importance, and phases		2	1 November
Classroom performance and exams	Discussion and questioning	Physical growth, mental and linguistic development, social, emotional and moral development		2	2 November
Classroom performance and exams	Discussion and questioning	The role of social institutions in the socialization of the child		2	3 November
Classroom performance and exams	Discussion and questioning	Family, school, peers, media		2	4 November
Classroom performance and exams	Discussion and questioning	Adolescence: its definition, importance, and stages of physical, mental, cognitive, emotional, and moral development		2	1 December
Classroom performance and exams	Discussion and questioning	Adolescence and society, Adolescence and family		2	2 December
Classroom performance and exams	Discussion and questioning	Adolescence and school, adolescence and peers		2	3 December
Classroom	Discussion	Adolescence and the		2	4 December

performance and exams	and questionin g	media			
2					1 January
		from break Spring Until 2026/1/13 2026/2/1			2 January
Classroom performance and exams	Discussion and questionin g	Adolescence and Career		2	1 February
2					2 February
Classroom performance and exams	Discussion and questionin g	The importance of work in the life of a teenager		2	3 February
Classroom performance and exams	Discussion and questionin g	The importance of choosing a profession and the factors that influence it		2	4 February
Classroom performance and exams	Discussion and questionin g	Teenager's suitability for work			February 5
Classroom performance and exams	Discussion and questionin g	Teenager's trends and inclinations		2	3 April
Classroom performance and exams	Discussion and questionin g	The importance of inclinations and tendencies		2	4 April
Classroom performance and exams	Discussion and questionin g	Sources of acquiring inclinations and attitudes		2	1 May

is distributed according to the tasks assigned to the student, such as daily preparation, 100 .etc ‘ daily, oral, monthly, and written exams, reports
:The grade is distributed through several channels

- 1- and values are assessed ‘Developmental psychology, its types, characteristics through daily exams, observing and monitoring student performance in class discussions and homework assignments, and classroom evaluation. These .assessments do not exceed 20% of the total grade
- 2- determined through semester and final exams to are The school and social values issue judgments of success and failure. This grade is 80%, divided into (4) exams, two exams for each semester, to extract the annual effort before entering the final .exams

resources Learning and teaching .12	
1- Alousi, Jamal -Al .Child and Adolescent Psychology University of Baghdad - Baghdad -Hussein, 1983 2- – Evolutionary Psychology. Arifij Sami, 1993, Jordan Dar Majdalawi – Amman) Required textbooks (methodology, if applicable
- Anani, Jinan Abdul -Psychology of Growth, Al 2003 – Hamid	(sources) Main references
-Accessing all the latest information published in peer reviewed scientific journals	Recommended supporting) books and references ‘ reports ‘ scientific journals (.etc
Developmental Psychology, From Childhood to Old Age, 2004 – Din-Parasite, Imtithal Zain Al	websites ‘ Electronic references

Course Name .1
Rural Geography Phase Two
Course Code .2
229GRG
Term/Year .3
2025-2026
prepared Date this description was .4
2025/9/18
Available forms of attendance .5
person lectures-In
/ Total number of study hours .6

60 hours4 units						
(Name of the course coordinator (if there is more than one, mention it .7						
Name: M.M. Esraa Mazen Hamid :Email esraa.hamid326@tu.edu.iq						
Course Objectives .8						
1- The student learned about the concept of rural .geography and its objectives 2- Enhancing students' ability to understand rural identifying key problems and geography by .understanding how to address them 3- Enhancing students' ability to identify the differences between rural geography and other branches of geography, and the extent of their .interrelationship					Course objectives	
Teaching and learning strategies .9						
.person lectures-In - Asking questions during lectures The discussion style in the daily lecture within the - classroom Using brainstorming to develop abilities and skills					-Strategy	
Course Structure .10						
Evaluation Method	Learning method	topic Unit or name	Required learning outcomes	Hours	Week	

Course Name .1						
Rural Geography Phase Two						
Course Code .2						
229GRG						
Term/Year .3						
2025-2026						
Date this description was prepared .4						
2025/9/18						
Available forms of attendance .5						
person lectures-In						
/ number of study hours Total .6						
60 hours4 units						
(Name of the course coordinator (if there is more than one, mention it .7						
Name: M.M. Esraa Mazen Hamid :Email esraa.hamid326@tu.edu.iq						

Course Objectives .8

- 1- The student learned about the concept of rural .geography and its objectives
- 2- Enhancing students' ability to understand rural geography by identifying key problems and .understanding how to address them
- 3- identify the differences Enhancing students' ability to between rural geography and other branches of .geography, and the extent of their interrelationship

Course objectives

Teaching and learning strategies .9

.person lectures-In -
 Asking questions during lectures
 the daily lecture within the The discussion style in -
 classroom
 Using brainstorming to develop abilities and skills

-Strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One The Concept of Rural Geography	The concept of the term "rural"	2	September 4
person -In tests	person -In lectures	The main concerns at the beginning of rural geography	Beginnings of interest in the countryside	2	4 September
person -In tests	person -In lectures	The reasons that gave effective importance to rural studies	Identifying the main reasons that gave rural studies effective importance	2	October 1
person -In tests	person -In lectures	How interest in rural geography peddevelo	Areas of development of interest in rural geography	2	October 2
person -In tests	person -In lectures	Rural Geography Objectives	The concept of rural geography	2	3 October
person -In tests	person -In lectures	Key relationships between rural geography and other branches	Studying the relationship between rural geography and its relationship to other branches of	2	October 4

			geography		
person -In tests	person -In lectures	Chapter Two The Emergence and Development of Rural Society	The nature and characteristics of rural society	2	November 1
person -In tests	person -In lectures	Chapter Two Foundations of Rural Community Classification	Understanding the key principles for classifying rural communities	2	November 2
person -In tests	person -In lectures	Problems of rural society	Forms of rural societies	2	November 3
person -In tests	person -In lectures	Chapter Three Factors Affecting Rural Settlements and Their Patterns	Understanding the most important factors affecting rural settlements and their distribution	2	November 4
person -In tests	person -In lectures	Chapter Three Environmental Distribution of the Countryside	Environmental and geographical distribution of rural settlements	2	December 1
person -In tests	person -In lectures	Chapter Four Morphology of Rural Settlements and the Factors Affecting Them	Morphology of the rural settlement	2	December 2
person -In tests	person -In lectures	Rural housing morphology	Morphological elements of the rural settlement	2	December 3
person -In tests	person -In lectures	Chapter Five The Impact of Urban Centers on the Countryside	impact of The urban centers on rural areas and their relationship	2	December 4
person -In tests	person -In lectures	Models of regional	Regional relations	2	January 3

		relations between city and countryside	between city and countryside		
person -In tests	person -In lectures	Chapter Six Distinctions between Village and City Inhabitants	The basis for distinguishing between village and city	2	January 4
person -In tests	person -In lectures	Chapter Seven The Economic Basis of Cities	Understanding economic the basis of cities		
					February 2
person -In tests	person -In lectures	Characteristics and composition of the city's population A	Identifying the characteristics and composition of the city's population	2	February 3
person -In tests	person -In lectures	Chapter Nine Types of Uses for Rural Settlements	Uses and purposes of rural settlements	2	February 4
person -In tests	person -In lectures	Chapter Ten Rural Problems and Their Types	Identifying the problems of rural society and their causes	2	March 1
person -In tests	person -In lectures	Chapter Eleven Morphology -of the Arab Islamic City	Understanding the morphology of -the Arab Islamic city	2	March 2
person -In tests	person -In lectures	Identifying the most important industries for which the city of Hit is famous	Getting to know the city of Hit and its stages of development	2	March 3
person -In tests	person -In lectures	a Stages of modern city and its development	Getting to know a modern city and its stages of development	2	March 4

person -In tests	person -In lectures	Chapter Twelve The Regional Relationship of the City of Hit	The regional relationship between the city and its countryside	2	April 1
person -In tests	person -In lectures	Regional relationship between city and countryside	Understanding the regional relationship between the city and the countryside	2	April 2
person -In tests	person -In lectures	Understanding the types of spatial relationships	Studying the spatial relationship and measuring its effectiveness	2	April 3
person -In tests	person -In lectures	The importance of the industrial relationship and its connection between rural and urban areas	Understanding the importance of economic relations between rural and urban areas	2	April 4
person -In tests	person -In lectures	Population migration to other regions	Population relations and their importance	2	May 1
_____	-Problem solving method	General review		2	May 2
		Final exams			May 3, 4

Course Evaluation .11

50 marks for the annual coursework, with 25 marks allocated for each semester, divided as follows
 20 marks for the written exam
 marks for the daily work, distributed between daily exams or reports 5
 50 year exam-of-marks end

Learning and teaching resources .12

All the required textbooks for the subject, especially the more recent ones	Required textbooks (methodology, if applicable)
The textbook (Rural Geography) authored by - College of 'Hiti-Mazen Abdul Rahman Al Education for Human Sciences, University of .Anbar, Amman, 1st edition, 2007	(Main references (sources
Abdul Razzaq Abbas Hussein, Geography of -1	Recommended supporting books and .(references (scientific journals, reports

.Cities, 2006 f Salah Daoud, The Phenomenon o -2 Ustad Magazine, -Transgression in Cities, Al .Issue 1, Ibn Rushd College of Education, 2007 I recommend relying on modern sources, including the book "Rural Geography," as well as all published academic studies and scientific .ct matterresearch related to the subje	
All studies published on internet sites related to rural geography	Electronic references, websites

The course Name .1	
Water resources	
The course Code .2	
GMHIAH 337	
year / Chapter .3	
6 202 - 25 20	
Description this numbers Date .4	
18/9/2025	
Available the audience Shapes .5	
immanence Lectures	
(The whole) Units Number / (Total) Study Hours Number .6	
units 4 / hours 60	
(It is mentioned) name from more if) Academic The course responsible Name .7	
_: Email Dr. Huda Nasser Najm : Name huda.n.najim@tu.edu.iq	
The course Goals .8	
<ol style="list-style-type: none"> 1. It aims to introduce students to the science of water resources, its various fields, and research methods in 2. Introducing students to water resources and their types 3. Introducing students to the geographical distribution of each water resource 4. Introducing students to the problems facing water resources, and how to maintain and .preserve those resources 5. -ame familiar with nonStudents bec .traditional water resources 6. Teaching students to measure the amount of rainfall on areas 7. Teaching students to measure the quantity and volume of water flow in lands and valleys 8. Teaching students to measure evaporation 	Study Material Goals

from lakes					
9. ating students about all aspects of Educ groundwater					
and learning education Strategies .9					
.Using brainstorming to develop skills - The discussion method in the daily lecture inside - .the classroom			strategy		
The course Structure .10					
road Evaluation	Learning road	Unity name the topic or	Learning outputs Required	Hours	Week
Oral exam, and research work	Lecture	The origin of water, its importance and properties	To learn about the theories that deal with the origin of water, and to study .its properties	2	the first
Oral exam, and research work	PowerPoint lecture	hydrological cycle	Explaining the elements of the hydrological cycle, the factors that influence it, and its importance	2	the second
The oral exam, research work, and ning assign students to apply mathematic al .equations	Lecture and application of mathematical .equations	Falling	A definition of precipitation, the factors that influence it, and its effect on daylight hours and drainage. Methods for measuring it across .different areas	2	the third
exam. Oral .Research	PowerPoint .lecture	Seas and oceans	To learn about the Earth's oceans, the physical and chemical properties of sea and ocean waters, and to learn about the movement of sea .and ocean waters	2	Fourth
Oral exam. .Research	Presentation .and discussion	surface water movement	Introducing students to the types of surface water movement in .seas and oceans	2	Fifth
Oral exam. Research	Presentation .discussion and	surface water	Methods of measuring surface runoff	2	Sixth

Oral exam. Research	PowerPoint .lecture	groundwater	Introducing students to the origin of groundwater and the characteristics .of groundwater	2	Seventh
2026 - 2/2 -Spring break 18/1					
Oral exam. Research	Presentation and .discussion	Rivers	Introducing students to the importance of rivers, how they originate, and their .drainage patterns	2	Eighth
Oral exam. Research	a lecture	Lakes	Students will be taught about the characteristics and geographical distribution of freshwater lakes, as well as the acteristics and char geographical distribution of .saltwater lakes	2	Ninth
Oral exam. Research	Presentation and .discussion	marshes	Understanding the marshes as a water resource, recognizing their importance and the problems they face, with a special study of the Iraqi .marshes	2	tenth
Oral exam. Research	a lecture	-Non traditional water resources	Studying the types traditional -of non water resources, their importance, and methods of obtaining them in a .pure form	2	eleventh
Oral exam. Research	a lecture	Water resource problems, and water resource .maintenance	This section will address the problems facing water resources and how to manage .these problems	2	twelfth
Oral exam. Research	Presentation and .discussion	Water resources in the Arab	Identifying water resources in the .Arab world	2	thirteenth

		world			
Oral exam. Research	PowerPoint .lecture	Water resources in Iraq	Identifying water .resources in Iraq	2	fourteenth
The course Evaluation .11					
: As follows And divide season per degrees 25 fact In annual To strive degrees 50 Editorial For the exam degrees 20 Reports or Daily Exams between distribution For daily degrees 5 Year last exam degrees 50					
and teaching Learning Sources .12					
Hassan Abu -Geography of Water Resources Samour) Required The scheduled Books found I that (Methodology		
Geography of Water Resources, Safaa Asadi-Rashm Al Hassan Abu -Geography of Water Resources Samour			(Sources) President the reviewer		
1. Geography , Turkmen Fathi quality Dar , edition st1 , Water Resources For publication Saudi Arabia .2005 , Distribution 2. , Zouka Thursday Mohammed Knowledge house , Water Geography .1998 , Alexandria , University Resources , Jubouri-Al Ahmed phone peace , Most Bab , Dalir office , floor nd2 , Natural .2016			Recommended that chock References Books (... reports Scientific (Magazines) In it		
https://www.alarabimag.com/books/21091-			The websites , Electronic the reviewer Internet		

Course Name .1
Modern geographic technologies
Course Code .2
GGT 221
Term/Year .3
2026 – 2025
Date this description was prepared .4
2025/9/18
Available attendance formats .5
person lectures-In
Total number of study hours / Total number of units .6

units hours / 4 60					
(Name of the course coordinator (if there is more than one, mention it .7					
Name: M.M. Muhammad Salam Yusuf					
mohammed.yousif819@tu.edu.iq					
Course Objectives .8					
<ul style="list-style-type: none"> to introduce students to science It aims Modern geographic technologies: foundations, principles, importance, types, functions, and characteristics Developing skills related to software used in geographic technologies Introducing students to the scientific applications of geographic technologies Teaching students about the scientific uses of geographic technologies To equip students with the skills to use geographic technologies in the departments of physical and human geography 			Course objectives		
sTeaching and learning strategie .9					
Using brainstorming to develop students' - .skills The method of discussing the details of the - .lecture topic within the classroom Weekly assignments			strategy		
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter 1/ Digital Maps	Concept and features, a practical example of a digital map	4	1
person -In tests	person -In lectures	Chapter Two / The Concept of Area	Concept, types, and applications of surveying	4	2
person -In tests	person -In lectures	Chapter Three Positioning / System	Advantages and benefits of the GPS system	4	3
person -In tests	person -In lectures	Chapter Three Positioning / System	Sections of the GPS system	4	4
person -In tests	person -In lectures	Chapter Three Positioning / System	Monitoring techniques using GPS	4	5

person -In tests	person -In lectures	Chapter Four / Remote Sensing	Concept, basic elements of remote sensing	4	6
person -In tests	person -In lectures	Chapter Four / Remote Sensing	Satellites, interpretation and remote analysis of sensing data	4	7
person -In tests	person -In lectures	Chapter Four / Remote Sensing	Steps for applying the Digital Elevation Model (DEM)	4	8
person -In tests	person -In lectures	Chapter Four / Remote Sensing	Uses of 3D models	4	9
person -In tests	person -In lectures	Chapter Four / Remote Sensing	Characteristics of some common phenomena in satellite imagery	4	10
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Geographic Information Systems (GIS) concept	4	11
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	The relationship of Geographic Information Systems (GIS) to other sciences	4	12
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Advantages of Geographic Information Systems	4	13
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Components of Geographic Information Systems	4	14
person -In tests	person -In lectures	/ Chapter Five Geographic Information Systems	ArcGIS system	4	15
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Functions and technical capabilities of the program	4	16
person -In tests	person -In lectures	Chapter Five / Geographic	Human requirements	4	17

		Information Systems			
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Operating methods	4	18
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Types of data and information in Geographic Information Systems	4	19
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Spatial Information System	4	20
person -In tests	person -In lectures	Chapter / Five Geographic Information Systems	Metadata System	4	21
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Mapping and Analysis of Topography	4	22
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Aspects of Geographic Information Systems (GIS) Applications	4	23
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Government and service applications	4	24
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Special industrial applications	4	25
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Some practical examples of Geographic Information Systems in various geographical	4	26

			fields		
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Some practical examples of Geographic Information Systems in various geographical fields	4	27
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Geographic Information Systems (GIS) in the present and its prospects future	4	28
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Geographic Information Systems (GIS) in the present and its future prospects	4	29
person -In tests	person -In lectures	Chapter Five / Geographic Information Systems	Building a specific geographic system project		30

Final exams

Course Evaluation .11

such as 'The grade out of 100 is distributed according to the tasks assigned to the student .daily preparation, daily, oral, monthly, and written exams, reports, etc
:marks for the annual coursework, with 25 marks for each semester, divided as follows 50 marks for the written exam 20
.rson lectures, daily exams, and reportspe-Five marks are allocated for daily attendance in in .year exam, for a total of (100) marks-of-marks for the end 50

Learning and teaching resources .12

All the required textbooks for the subject, .recent ones especially the more	Required textbooks (methodology, if (applicable
Tai, Dr. Thaer Mazhar -Dr. Ayad Ashour Al Azzawi-Al Modern technologies in geography	(Main references (sources
Books, articles, and periodicals related to geographic technologies	Recommended supporting books and (...references (scientific journals, reports
Information network and the Internet	Electronic references, websites

Course Name .1

Applied climatology

Course Code .2					
211 GAC					
Term/Year .3					
6 202 – 5 202					
Date this description was prepared .4					
2025/9/18					
attendance formats Available .5					
person lectures-In					
Total number of study hours / Total number of units .6					
hours / 4 units 60					
(Name of the course coordinator (if there is more than one, mention it .7					
Name: Dr. Abdul Rahman Abdul Karim Yahya Jassim					
:Email abdurahman.yahya@tu.edu.iq					
Course Objectives .8					
<ul style="list-style-type: none"> This course introduces students to the concept of applied climatology, its objectives, methods that of study, and the stages of development this science has undergone. It also explains the measuring devices and how to operate and use them. This course also aims to enable the student to deal with statistical data and mathematical equations within this branch of .climatology 					Course objectives
d learning strategiesTeaching an .9					
.person lectures-In - Using the method of asking questions of the - .students .Using brainstorming to develop skills - The method of discussing the details of the - .lecture topic within the classroom Weekly assignments					strategy
Course Structure .10					
Evalu ation Metho d	Teaching method	Unit or topic name	Required learning outcomes	Hours	Week
oral test	Presentati on and	Chapter One: Applied Climatology	Homework	2	the first

	discussion	(Research tools) First: The emergence of applied climatology and the assessment impact of weather, climate, of the and daily life; the development of applied climatology, its concepts, Weather .and applications concerns and awareness: Climate impact assessment			
oral test	Presentation and discussion	Remote Second: Earth and Sensing Measurements: A Comparison Between Old and Modern Weather Instruments. Style Weather Instruments. -Old New Generation Weather .Instruments. Remote Sensing	Homework	2	the second
oral test	Presentation and discussion	ations, Third: Statistical consider statistical significance, time series analysis, spatial analysis	Homework	2	the third
oral test	Presentation and discussion	Fourth: The climate model Climate system modeling, holistic climate modeling, climate impact models, integrated models, and climate assessment .model evaluation	Homework	2	Fourth
oral test	Presentation and discussion	Fifth: Managing the sources of the atmosphere Ghazi's management of cover resources History of Atmospheric Resource Management The current management the air quality approach to problem integrates the issue of air quality with sustainable .development and the atmosphere	Homework	2	Fifth
oral test	Presentation and discussion	Chapter Two Climate and natural biological environment First: Hydrological processes and water resources; climate and aquatic environment; hydrological processes; impact of climate change and hydrological response	Homework	2	Sixth

oral test	Presentation and discussion	Refrigerators –Second: Glaciers Climate and glaciers; types of refrigerators; physical and thermal characteristics of component range –refrigerators and climate controls	Homework	2	Seventh
oral test	Presentation and discussion	The role of climate in the transformation of ice into refrigerators Ice mass balance and climate controls	Homework	2	Eighth
oral test	Presentation and discussion	Third: Geomorphological processes and the climatic shape -geomorphological of the land Climate and geomorphological processes Climate change and landforms	Homework	2	Ninth
oral test	Presentation and discussion	Fourth: Soil Soil atmosphere, soil climate Climate and soil geography; soils and the impact of greenhouse gases; the impact of climate change on soils	Homework	2	tenth
oral test	Presentation and discussion	:Fifth: Vegetation cover Climate, vegetation cover, plant communities in the geological past, current climate and vegetation cover	Homework	2	eleventh
oral test	Presentation and discussion	Sixth: The response of living organisms to climate Climate and life; climate elements; bioclimatic zones; climate instability Energy sources	Homework	2	twelfth
oral test	Presentation and discussion	Biochemical adaptation: temperature change and stability Variable temperature system, temperature system constant	Homework	2	thirteenth
oral test	Presentation and discussion	Chapter Three: Climate and Urban Environment Clothing and –First: Comfort Health, Human Adaptation and Microclimate Management, Temperature Stability and Energy Adaptation, Human Balance Estimating heat stress	Homework	2	fourteenth

oral test	Presentati on and discussio n	Thermal comfort outerwear Adapting to weather influences on behavior and performance Weather effects on morbidity and mortality rates	Homework	2	fifteenth
oral test	Presentati on and discussio n	Second: Urban Planning, Architecture and Construction; Climate and Building Environment; Temperature, Humid Climates, Cold Climates, Polar Climates, Other Climates; Applications in Urban Planning	Homework	2	Sixteenth
oral test	Presentati on and discussio n	Third: Industry and Trade; Climate, Industrial Production and Commercial Activities; Location of Industries; Industrial Processes; Construction Operations; Trade	Homework	2	seventee nth
oral test	Presentati on and discussio n	Fourth: Climate transport systems and air transport services	Homework	2	eighteent h
oral test	Presentati on and discussio n	Rail transport, road transport, water transport	Homework	2	nineteent h
oral test	Presentati on and discussio n	Agriculture and fishing; :Fifth nature and rate of environmental change; climate elements; crop regulation and livestock production; agricultural crop response to global environmental .changes	Homework	2	Twenty
oral test	Presentati on and discussio n	production and climate Crop change Climate and animal production, fishing and environmental change, plant and animal husbandry	Homework	2	-Twenty first
oral test	Presentati on and discussio n	Sixth: Forests Climate and Forests: Climate and Forest Sustainability	Homework	2	-Twenty second
oral test	Presentati on and discussio n	Temporal and spatial disturbance Seventh: Tourism and Recreation Climate and Recreational - Weather and -Influences Entertainment	Homework	2	-Twenty third

oral test	Presentati on and discussio n	Weather and climate information, industry, tourism, climate change, tourism and recreation	Homework	2	-Twenty fourth
oral test	Presentati on and discussio n	Eighth: Politics, social and legal aspects of the climate, political considerations considerations Legal Ninth: The Energy Sector: Climate and Energy Sources; Global Energy Sources	Homework	2	-Twenty fifth
oral test	Presentati on and discussio n	Energy transfer, energy conversion Energy demand	Homework	2	-Twenty sixth
oral test	Presentati on and discussio n	Chapter Four: Climate Change First: Global climate and global environmental change The nature of global environmental change; the impact of city climates on global environmental change; the impact of global environmental climate .climate on city	Homework	2	-Twenty seventh
oral test	Presentati on and discussio n	Second: Air pollution Concepts and classification of air pollution and Global air pollution problems Air pollution problems on a continental scale City air pollution problems	Homework	2	-Twenty eighth
oral test	Presentati on and discussio n	Third: Climate extremism as a threat to humanity Climate extremism, risks and disasters Impact of air disasters: Reducing the risks and impact of air disasters	Homework	2	-Twenty ninth
oral test	Presentati on and discussio n	Fourth: Climate change, past and present Climate and human history In the Middle Ages	Homework	2	thirty

Infrastructure -12

-Adel Saeed Al :authored by ‘Applied Climatology
.Samarrai-Abdul Majeed Al Rawi, Qusay

textbooks Required -1

‘ Applied Climatology ‘ Jabouri-Salam Hatif Al
‘ Safaa Printing, Publishing and Distribution House

(Main references (sources -2

.2021 ‘ Mousa-Ali Hassan Moussa, Fawaz Ahmed Al Ilmiya for -Afaq Al-Dar Al ‘ Applied Climatology .st Edition, 20251 ‘ Publishing and Distribution	
– https://altibrah.ae/books/pub/3516/4?utm_source=chatgpt.com – https://www.daralafaq.com/book-list/?utm_source=chatgpt.com	Recommended books and references -3 (... ‘scientific journals, reports)

Course Name .1	
of Oil and Energy Geography Second stage	
Course Code .2	
227GGOE	
Year / Term .3	
2025 -2026	
Date this description was prepared .4	
18/9/2025	
Available attendance formats .5	
person lectures-In	
units number of Total / number of study hours Total .6	
hours / 4 units 60	
(if there is more than one, mention it) Name of the course coordinator .7	
: Email	M.M. Hamid Shakhir Nazal : Name Hameed.nazal@ru.edu.iq
Course Objectives .8	
Introducing students to the concept of energy, -A its characteristics, sources, classifications of energy forms, types of energy sources, operating principles, energy use technologies, energy . measurement units, and energy conversion	objectives Course

to identify traditional (fossil) energy sources, namely: firstly, coal energy, secondly, petroleum energy, and thirdly, natural gas energy. It aims -B information on 'students For Giving an idea (c the generation and types of energy and energy (energy production of electrical conversion), including firstly its characteristics and advantages, and secondly its limitations and .problems

Teaching and learning strategies .9

.Using brainstorming to develop skills - The discussion method in the daily lecture - . inside the classroom strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One / The Concept of Energy	Energy: its concept, properties, classifications, and measurement	2	September4
person -In tests	person -In lectures	Energy use development	Identifying the most important developments in the field of energy	2	October1
person -In tests	person -In lectures	The importance of energy sources	Understanding the importance of energy sources of all kinds	2	October2
person -In tests	person -In lectures	Chapter Two / Geographical Characteristics of Energy Sources	Identifying the most important geographical features	2	October3
person -In tests	person -In lectures	Theories of oil	Theories of the origin and	2	October4

		formation	formation of crude oil		
person -In tests	person -In lectures	Chapter Three / Geographical Factors Affecting Energy Exploitation	Identifying the most important geographical factors affecting energy resource exploitation processes	2	October1
person -In tests	person -In lectures	Natural factors climate and) (surface	Identifying the most important natural factors that affect the exploitation of energy resources	2	November2
person -In tests	person -In lectures	human factors	Identifying the most important human factors affecting the process of energy exploitation and its sources	2	November3
person -In tests	person -In lectures	Technical factors advanced) machinery and (equipment	Identifying the technical factors that affect energy resource exploitation processes	2	November4
person -In tests	person -In lectures	Oil fields and their distribution	Identifying the most important oil fields in the world and their geographical distribution	2	December1
person -In tests	person -In lectures	oil reserves	Identifying global and international oil reserve quantities	2	December2
person -In tests	person -In lectures	Chapter Four / Classificatio	Identifying the most important classifications of	2	December3

		n of Energy Sources	sources energy		
person -In tests	person -In lectures	Geographical distribution of energy sources	Distribution of energy sources globally and regionally	2	December4
person -In tests	person -In lectures	Problems resulting from energy use	Identifying the main problems facing energy use	2	January1
person -In tests	person -In lectures	Oil refining	Oil refining operations	2	January2
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	oil extraction	Identifying the most important methods and processes for extracting crude oil	2	February1
person -In tests	person -In lectures	Oil transport	Identifying the most important international and regional oil transport routes	2	February2
person -In tests	person -In lectures	Geographical distribution of oil	Geographical distribution of oil in the Arab world	2	February3
person -In tests	person -In lectures	Chapter Five/ The Future of Investment and Production in Energy and Oil	Understanding the future of international and regional investment, energy oil production, and	2	February4
person -In tests	person -In lectures	Energy conservation and maintenance	Energy source maintenance and preservation methods	2	March1
person -In tests	person -In lectures	petroleum derivatives	Identifying the most important and different petroleum derivatives	2	March2
person -In tests	person -In lectures	Chapter Six Regional / and International Conflict and	Multiple conflicts over energy sources of all kinds	2	March3

		Competition over Energy Resources			
person -In tests	person -In lectures	Global and regional oil organizations	Global and regional oil organizations (Organization OAPEC)	2	March4
person -In tests	person -In lectures	The importance of oil in the global economy	Understanding the oil importance of and its derivatives to the global economy	2	April1
person -In tests	person -In lectures	Renewable energy (hydropower) and hydropower distribution (areas	Identifying the advantages of hydropower and its distribution areas	2	April2
person -In tests	Lectures are in person	Tidal energy	Development and utilization of tidal energy	2	April3
person -In tests	person -In lectures	Wind power	Understanding the advantages and development of wind energy use	2	April4
person -In tests	person -In lectures	solar energy	Solar energy: its main features and developments	2	May1
person -In tests	person -In lectures	-Non renewable fossil fuels (oil, coal,) and natural (gas	Understanding the types and forms of fossil energy and their development	2	May2
			Final exams		4 • 3 May

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows

the written exam marks for 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

Learning and teaching resources .12

The Geography of Oil and Energy, by Dr. - Sammak and -Azhar Saeed Al Muhammad methodology, if) Required textbooks (applicable

.others, 1981 AD	
The Geography of Oil and Energy, by Dr. - Sammak and -Muhammad Azhar Saeed Al .others, 1981 AD	(sources) Main references
recommend relying on modern sources, I including A book on the geography of energy and the .geography of oil	Recommended supporting books and ‘ reports ‘ scientific journals) references (.etc
- Mahdi Ahmed Rashid -Oil Geography Google Books	websites ‘ Electronic references

Course Name .1	
Islamic history	
Headquarters code .2IAS GH 219	
Chapter/Year 2025 .3	
Date this description was prepared: 18/9/2025 .4	
person lectures-In :Available attendance formats .5	
Total number of units: 4 .hours 60 / Total study hours .6	
hours/4 units 60	
(Name of the course coordinator (if there is more than one, mention it .7	
Name: M.M. Nadera Helan Yaqoub Email :nabera.h@tu.edu.iq	
Course Objectives .8	
<ul style="list-style-type: none"> • Developing students’ ability to understand the science of the Prophet’s biography and its various fields, and to know the differences between it and the circumstances of the varying .sources historical • This course aims to cover the most important fundamental pillars of this science and to identify the changes in military expeditions and raids during the .Prophetic era • Introducing students to methods 	Course objectives

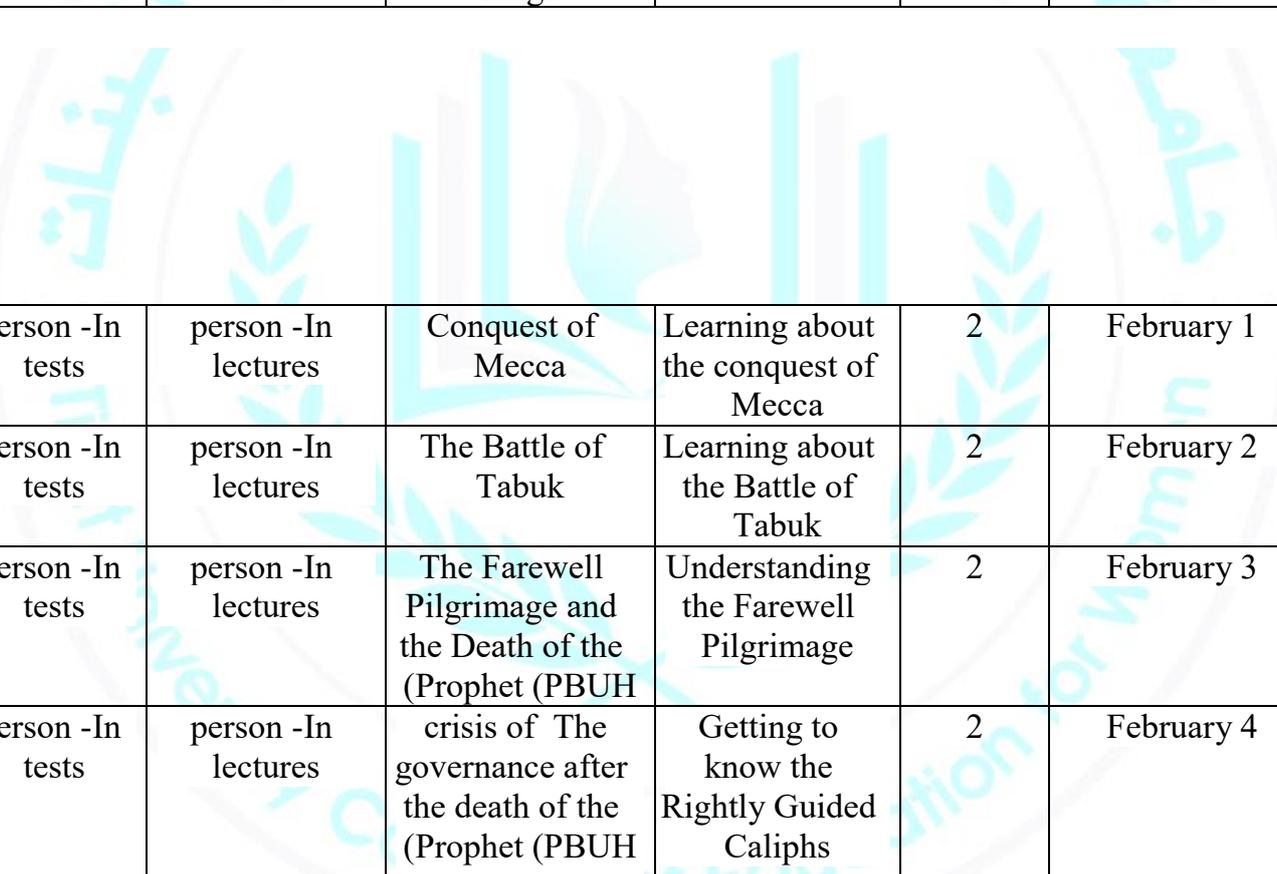
of adaptation and mitigating the extremism of severity and apostates	
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Teaching and learning strategies .9

Using brainstorming to develop skills The discussion style in the daily lecture .inside the hall	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One/Introduction to the Life of the (Prophet (PBUH	Understanding the concept of the Prophet's biography	2	September 3
person -In tests	person -In lectures	The birth of the (Prophet (PBUH	Identifying the lineage and ancestors of the Prophet (PBUH)	2	September 4
person -In tests	person -In lectures	Chapter Two/The New Arab Islamic State	Getting to know the Prophetic Mission	2	October 1
person -In tests	person -In lectures	Prophetic The Mission	The birth of the Prophet (PBUH)	2	October 2
person -In tests	person -In lectures	This includes migration and the boycott of .Banu Hashim	Migration to Abyssinia	2	3 October
person -In tests	person -In lectures	The First and Second Pledges of Aqaba	Aqaba Sales	2	October 4
person -In tests	person -In lectures	Migration to Medina	Understanding migration	2	November 1
person -In tests	person -In lectures	Raids and expeditions	Identifying raids and expeditions	2	November 2
person -In tests	person -For in lectures	The Battle of Badr	Learning about Battle of the Badr	2	November 3
person -In tests	person -In lectures	Battle of Uhud	Learning about the Battle of Uhud	2	November 4
person -In	person -In	The Battle of the	Learning about	2	December 1

tests	lectures	-Al) Trench (Ahzab	the Battle of the Trench		
person -In tests	person -In lectures	Treaty of Hudaibiyyah	Understanding the Treaty of Hudaibiyyah	2	December 2
person -In tests	person -In lectures	Between the Prophet and the Jews	Getting to know Jews and their coexistence with Muslims	2	December 3
person -In tests	person -In lectures	The Battle of Khaybar	Learning about the Battle of Khaybar	2	December 4
person -In tests	person -In lectures	Messengers of Muhammad (PBUH) to the) kings	Getting to know the royal messengers	2	January 1
					
person -In tests	person -In lectures	Conquest of Mecca	Learning about the conquest of Mecca	2	February 1
person -In tests	person -In lectures	The Battle of Tabuk	Learning about the Battle of Tabuk	2	February 2
person -In tests	person -In lectures	The Farewell Pilgrimage and the Death of the (Prophet (PBUH	Understanding the Farewell Pilgrimage	2	February 3
person -In tests	person -In lectures	crisis of The governance after the death of the (Prophet (PBUH	Getting to know the Rightly Guided Caliphs	2	February 4
person -In tests	person -In lecture	The Pledge of Allegiance at Saqifa Bani Sa'ida	Getting to know Abu Siddiq -Bakr Al may God be) pleased with (him	2	March 1
person -In tests	person -In lecture	The movement apostates of the	Identifying reaction movements	2	March 2

person -In tests	person -In lecture	Omar sold it	Getting to know Caliph -Omar Ibn Al Khattab (may God be pleased (with him	2	March 3
person -In tests	person-In lectures	Conquest of Iraq	Learning about the Islamic conquests	2	March 4
person -In tests	person -In lectures	Conquest of the Levant	Learning about the conquest of the Levant	2	April 1
person -In tests	person -In lectures	Conquest of Egypt	Getting to know Egypt	2	April 2
person -In tests	person -In lectures	Arab victory over the Persians and Romans	Identifying the that factors facilitated the Arab victory over the Romans	2	April 3
person -In tests	person -In lectures	Omar's death	Getting to know Nash'at Omar	2	April 4
person -In tests	person -In lectures	His lineage and birth	Getting acquainted with the caliphate of Uthman ibn Affat (may God be pleased (with him	2	May 1
person -In tests	person -In lectures	Conquest of Andalusia	Ottoman conquests	2	May 2
		Final exams			May 3, 4

Evaluation Course .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows

marks for the written exam 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

teaching resources Learning and .12

-The Prophet's Biography / Hashim Yahya Al Mallah

Required textbooks (methodology, if (applicable

Maghazi died in the year 218-Ibn Hisham al

(Main references (sources

Waqidi's biography and military campaigns-AI Tabari/Messengers and Kings-AI	Recommended supporting books and (...reports 'references (scientific journals
E.maiL:DarKitb2003 @.Yahoo>COM>,_	Electronic references, websites

Course Name .1					
Geography of Eurasia					
Course Code .2					
216 GGeE					
Year / Term .3					
2025/2026					
Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
hours / 4 units 60					
(if there is more than one, mention it) Name of the course coordinator .7					
: Email Safaa Bandar Zainab .M.M : Name zainab.bandar337@tu.edu.iq0					
Course Objectives .8					
Developing the student's ability to (a understand the material Students acquire knowledge and ideas .B regarding the sources and references of the . subject Eurasia Enabling students to understand the (c fundamentals of the Eurasia subject and apply .them in practice			Course objectives		
Teaching and learning strategies .9					
.develop skills To inside the hall Tests - The discussion method in the daily lecture - . inside the classroom			strategy		
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	/ Chapter One Geographical Location Characteristic	the Identifying characteristics of the geographical	2	3 September

		s of Asia	location		
person -In tests	person -In lectures	of the Goals Asian 'continent Geological structure	ancient Learn about landmasses, mountain ranges, valleys, major rivers, climate, populations, and .religions of Asia	2	4 September
person -In tests	person -In lectures	topography	Topography identification	2	1 October
person -In tests	person -In lectures	Republic of Pakistan	Getting acquainted the natural with features of the Islamic Republic of Pakistan	2	2 October
person -In tests	person -In lectures	Economic situation and economic activity	the Understanding economic situation and economic activity	2	October3
person -In tests	person -In lectures	Southeast Asian countries region	the Getting to know countries of the Southeast Asian Burma and) region (Thailand	2	4 October
person -In tests	person -In lectures	Natural features and economic conditions	natural Identifying features and the economic situation	2	1 November
person -In tests	person -In lectures	Demographic s and religious beliefs	the Identifying population situation and percentages	2	2 November
person -In tests	person -In lectures	Agricultural products and livestock	the Identifying most important agricultural and products livestock of his country	2	3 November
person -In tests	person -In lectures	East Asian countries region	Getting to know People's Republic of China	2	4 November
person -In tests	person -In lectures	Natural phenomena	natural Identifying features and their surface sections	2	1 December

person -In tests	person -In lectures	Climate of the People's Republic of China	its Understanding climate	2	2 December
person -In tests	person -In lectures	Climate of Asia	the Understanding in climate situation the continent	2	3 December
person -In test responses	person -In lectures	Factors affecting the continent of Asia	the Identifying factors that influence the continent of Asia	2	4 December
person -In tests	person -In lectures	climatic regions	climatic Identifying regions	2	1 January
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	soil	soil Identifying types and varieties	2	4 January
person -In tests	person -In lectures	natural girls	natural Identifying plants	2	February 1
person -In tests	person -In lectures	The inhabitants of the continent of Asia	Getting acquainted the population with of Asia	2	2 February
person -In tests	person -In lectures	The main regions in Asia	the Identifying the of regions continent	2	3 February
person -In tests	person -In lectures	Republic of India	about the Learn Republic of India	2	4 February
person -In tests	person -In lectures	Japan	Getting to know Japan	2	1 March
person -In tests	person -In lectures	Burma	the Getting to know country of Burma its and characteristics	2	2 March
person -In tests	person -In lectures	Origin of the name	origins Identifying and returns; naming	2	3 March
person -In tests	person -In lectures	Site characteristics that distinguish the continent	the Identifying characteristics of the geographical location	2	4 March
person -In tests	person -In lectures	Its geological composition	the Identifying Earth's surface layers	2	1 April
person -In tests	person -In lectures	European Plain	the Identifying plains and valleys continent of the	2	2 April
person -In tests	person -In lectures	Central Highlands	the Identifying highlands that characterize the	2	3 April

			continent		
person -In tests	person -In lectures	R Now	in rivers Identifying Europe	2	4 April
person -In tests	person -In lectures	Climate of / Europe Climatic Regions	the Understanding climate of the continent of Europe	2	1 May
person-In tests	person- In lectures	/ Plants / Soil Kingdom of Spain	Knowledge of soils and plants in the Kingdom of Spain	2	2 May
			Final exams	___	4 , 3 May

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows

marks for the written exam 20

between daily exams or reports marks for the daily work, distributed 5

year exam-of-marks end 50

Learning and teaching resources .12

Books that deal with the regional study of . the continents of Asia and Europe	methodology, if) Required textbooks (applicable
.Dr / Regional Geography of Eurasia - . Hussein Jawda Jawda	(sources) Main references
Abdul Razzaq Abbas Hussein, -1 .Geography of Cities, 2006	Recommended supporting books and (.etc , reports , scientific journals) references
nothing	websites , Electronic references

Name Course .1

Crimes of the Ba'ath regime in Iraq

Course codes .2

Ba'ath Party crimes in Iraq

Chapter/Year .3

annual

Date this description was prepared .4

2025/10/5

Available forms of attendance .5

Mandatory attendance

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

Two hours of study in the morning and two hours in the evening for sectionsA andB of the Department Geography

.(Name of the course coordinator (if there is more than one, mention it .7

Name: M.M. Emad Talfah MohammedEmad.tlfah@tu.edu.iq

Course Objectives .8

1. . Informing students about the importance of the Ba'ath Party's crimes in Iraq
2. . Highlighting serious human rights violations
3. .regime A detailed explanation defining the violations that occurred under the previous
4. A statement of the facts about this oppressive system from the generations that did not go . through its stages of rule

Teaching and learning strategies .9

- . Studying the crimes committed by the Baath regime
- . Revealing the nature of the crimes committed by the Baath regime
- An explanation of the most important of these crimes and the serious consequences they . led to, which were reflected in reality and affected all sectors without exception

structure Course .10

Evaluation Method	Teaching method	Unit or topic name	Required learning outcomes	Hours	Week
Oral questions and answers and written tests	Presentation, discussion, and clarification using illustrative diagrams of .the material	Introduction to the crimes of the Ba'ath Party	Ba'ath Party crimes in Iraq	2	1.
		The concept of crimes		2	2
		Crime Departments		2	3
		Definition of crimes, linguistically and technically		2	4
		Crimes of the Ba'ath regime according to the International Criminal Court		2	5
		Types of international crimes		2	6
		Decisions issued by Supreme Criminal Court		2	7
		Introduction to Psychological Crimes Social issues, their effects, and the most prominent violations		2	8
		Psychological crimes		2	9
		Mechanisms of psychological crimes		2	10

		Effects of psychological crimes	2	1 1
		social crimes	2	1 2
		militarization of society	2	1 3
		The Ba'athist regime's stance on religion	2	1 4
		Violations of Iraqi laws	2	1 5
		Images of human rights crimes of violations and authority	2	1 6
		Some decisions regarding the political and military violations of the Ba'ath regime	2	1 7
		prisons and detention centers of the The Baath regime	2	1 8
		Introduction to Environmental Crimes	2	1 9
1987		War and radioactive pollution and landmine explosions	2	2 0
		Examples of affected cities (Basra and Halabja)	2	2 1
		Destruction of cities and villages (scorched (earth policy	2	2 2
		Evidence of a scorched earth policy	2	2 3
		draining the marshes	2	2 4
		palm Demolition of groves, trees and crops	2	2 5
		Introduction to Mass Grave Crimes	2	2 6
		Introduction to mass graves	2	2 7
		Genocide grave events Crimes committed by the Ba'athist regime	2	2 8
		and of 1963 Events 1979 events between AD and 2003	2	2 9

		Chronological classification of genocide graves		2	30
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:Course Name .1
Calculators
Course code .2:
Term/Year .3:
2025- 2026
Date this description was prepared .4
2025/9/18
:Available forms of attendance .5
in the classroom / Distance learning person attendance-In
Total number of study hours / Total number of units .6
/ hours 30 2 units
(Name of the course coordinator (if there is more than one, mention it .7
Name: M. M. Enam Samir Sadiq Email inam,s,sadek@tu.edu.iq
Course Objectives .8

<ul style="list-style-type: none"> -will learn to use computers in ready The student made applications such as Microsoft Office through interactive learning, working with windows, saving programs, and writing notes (in applications a way that ensures the execution of and programs and the acquisition of computer .(skills made applications and -To describe ready software and acquire computer skills development skills that enable students to -Self compete with others ith Meeting the needs of the education sector w highly qualified personnel 	Course objectives
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Teaching and learning strategies .9

<p>explanation and clarification to present Using concepts.</p> <ul style="list-style-type: none"> Interacting with students through discussions and practical exercises. Practical application in the laboratory Video lectures Electronic presentations 	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit/Subject Name	Required learning outcomes	Hours	Week
Classroom questions	Lecture + Discussion	Security & Networking	Definition of networks and their types	1 theoretical	1
Practical report	practical laboratory	Security & Networking	Identifying network components	1 practical	2
Short test	a lecture	Security & Networking	Understanding the fundamentals of network security	1 theoretical	3
Practical assessment	Lab + Case Study	Security & Networking	Diagnosing network threats	1 practical	4
Classroom questions	a lecture	Communications	of Concept principles Communications	1 Theory	5
Practical	practical	Communications	Communication	1 practical	6

report	laboratory		elements		
Short test	a lecture	Communication	Communication systems	1 theoretical	7
Practical assessment	laboratory	Communication	The impact of communication in our lives	1 My work	8
Classroom questions	a lecture	Computer Troubleshooting	Identifying common software problems	1 theoretical	9
a report	practical laboratory	Computer Troubleshooting	Diagnosing hardware problems	1 practical	10
Short test	a lecture	Computer Troubleshooting	Understanding Troubleshooting Steps	1 theoretical	11
Practical assessment	laboratory	Computer Troubleshooting	simple hardware problems	1 practical	12
Practical report	laboratory	Computer Troubleshooting	Fixing software problems	1. My work	13
Practical assessment	+ Lab Discussion	Computer Troubleshooting	General review + exercises	1. My work	14
Short test	a lecture	Introduction to AI	Definition of artificial intelligence + its history	1 Theory	15
Classroom questions	a lecture	Introduction to AI	Artificial intelligence techniques and methods	1 Theory	16
Practical report	laboratory	Introduction to AI	A simple AI application (image/text classification)	1. My work	17
Short test	a lecture	Introduction to AI	Challenges in artificial intelligence	1 Theory	18
Classroom questions	Lecture + Discussion	Introduction to AI	Ethical considerations	1 Theory	19
Project presentation	practical laboratory	Introduction to AI	AI Mini Project	1. My work	20
Classroom questions	a lecture	AI in Daily Life	AI in smartphones	1 Theory	21
Practical	laboratory	AI in Daily Life	Chatbots/Assistants	1. My work	22

assessment			Experience		
Short test	a lecture	AI in Daily Life	AI in our daily lives recommendations,) (maps	1 Theory	23
Practical report	laboratory	AI in Daily Life	A practical application of everydayAI technologies	1. My work	24
Classroom questions	a lecture	Applications of AI	AI in education and health	1 Theory	25
Practical assessment	Lecture + Lab	Applications of AI	AI in Finance and Transportation	1 Theory + Practical	26
Project presentation	laboratory	Applications of AI	AI in Marketing + and Advertising Project	1. My work	27
Classroom questions	a lecture	AI & Society	The impactof AI on society	1 Theory	28
quiz Short practical + assessment	Lecture + Discussion	Ethical Challenges in AI	Ethical challenges (privacy, work)	1 Theory + Practical	29
Final exam project +	Lecture + Lab	Future of AI	The Futureof AI + A Comprehensive Review	1 Theory + Practical	30

Course Evaluation .11

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

- Daily preparation.
- Daily exams.
- Oral and monthly tests.
- Written tests.
- Preparing reports and research projects.
- Classroom activities and participation in discussions.
- Student performance in class and interaction with course materials

Learning and teaching resources .12

	(Main references (sources
Computer basics and office applications	(methodology, if applicable) Required textbooks
	Recommended supporting books and references (...scientific journals, reports)
educational websites and Many videos inYouTube	Electronic references, internet sites

Course Name .1
English Language/ Stage Two
Course Code .2
Term/Year .3
Annual course
Date this description was prepared .4
18/9/2025
Available attendance formats .5
Total number of study hours / Total number of units .6
60
(if there is more than one, mention it) Name of the course coordinator .7
Assistant Professor: Sahar Azzam Naama Hamad ahabd@tu.edu.iq
Course Objectives .8
5- strengthen students' learning to use English as a foreign language in order to help them enrich their knowledge and understanding of terms and phrases and strengthen them their four skills (reading, writing, speaking and listening). Also, learning English help .to communicate with different people around the world
6- .Teaching the student how to use English grammar rules in conversation
7- Teaching students verbs (present, past, present continuous, and past continuous), the use of .ask questions using verbs, and the use of question words adjectives and adverbs, how to
8- Students in the History Department become familiar with the rules, principles, concepts, .vocabulary, and meanings of the English language according to the prescribed curriculum
arning strategiesTeaching and le .9
strategy
Course outcomes, teaching and learning methods, and assessment .10
<ul style="list-style-type: none"> • Cognitive objectives <ul style="list-style-type: none"> 3- .To be able to understand the material and use blended learning 4- .situations To be able to understand conversation in English in some everyday 3- .Knowledge and understanding of the study subjects • .based objectives of the course-The skills <ul style="list-style-type: none"> 4- The student acquires the necessary skills at the level of the required method to .accomplish it 5- .cognitive skills The student acquires the required intellectual and 6- .He participates in discussions and dialogues using English vocabulary • and learning methods Teaching <p>Teaching methods (lecture, discussion, observation, listening) and others, as well as the use of playing, -thods (brainstorming, active learning, roleblended learning and modern teaching me learning using -learning program and e-solving), modern educational technology, self-problem .multimedia technology via the Internet</p> • methods Assessment <ul style="list-style-type: none"> .y reports for theoretical materialDaily exams, oral exams, monthly exams, quarterl -1 4- .Additional marks are allocated for classroom and extracurricular activities • based objectives-and value Affective <ul style="list-style-type: none"> 6- Developing students' awareness of the importance of the English language in daily and

.academic life

7- .bility to analyze, deduce, evaluate, and make judgmentsThe a

8- .Contributing to the intellectual, personal, and professional development of the student

9- To promote and develop the student's positive attitude towards learning the English .language

10- .student's awareness of foreign culture Developing the

• and learning methods Teaching

3- Curricula for teaching innovation and knowledge of the rules and principles of the .English language

4- .Adopting blended learning through the use of multimedia technology

• dsmetho Assessment

7- .Written and oral tests

8- .Training students to use modern teaching methods and techniques

9- .Students are assigned to conduct research related to the fields of English language

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

11-Using the curricula of similar departments in other colleges where English is part of the .curriculum

12-visual) presentation media that use the English -Communication with external (audio .language

.10 Course Structure

Evaluation Method	Teaching method	Learning outcomes	Unit/Topic Name	Hours	Week
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 1 Getting to know you	am /are / is What's this in English Numbers 1-10 Plurals Good morning!	2	1
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 2 The way we live	Countries Questions Adjectives Numbers 11-30	2	2
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 3 It all went wrong	Jobs Is / isn't Questions & Negatives Vocabulary	2	3
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 4 Let's go shopping	Possessive's my/our/her Has/have The family	2	4
	monthly exam		monthly exam	2	5
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 5 What do you want	Sports / Food / Drink Present simple How much is it?	2	6

Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 6 Tell me	The time Present simple Prepositions: in, at, on Words that go together Days of the week	2	7
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 7 Fame	Questions Pronouns me/him Possessive adjectives my/mine This/that Can I	2	8
	monthly exam		monthly exam	2	9
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 8 Where I live	Room & furniture There is / there are Prepositions on / under / next to directions	2	10
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 9 Times past	Saying years Was / were Past simple Have/do/go Months & dates	2	11
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 10 We had a great time!	Regular verbs Making questions Sports & leisure activities Going sightseeing	2	12
Oral and written tests assignments and	Lecture, collaborative learning, discussion	Unit 11 I can do that!	Can/can't Adverbs Requests & offers Adjectives + nouns	2	13
	monthly exam		monthly exam	2	14
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 12 Please and thank you	Some/any I'd like a.... Offering things Food	2	15
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 13 Here & now	Colours & clothes Present continuous Opposite verbs What's the matter?	2	16

Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 14 It's time to go	Future plan Grammar revision Vocabulary revision Social expression	2	17
	monthly exam		monthly exam	2	18
		a lecture	General review of the material	2	19
.10 Infrastructure					
* New Headway Plus Beginner-Intermediate Students Book. * New Headway Plus Beginner-Intermediate Students workbook.			Required textbooks .1		
<ul style="list-style-type: none"> matter instructors for each -Archived lectures by subject course 			Main references .2 (sources)		
<ul style="list-style-type: none"> prescribed by the Scientific Textbooks and curriculum .Committee and the Academic Accreditation Committee 			a) Recommended books and references (scientific (.journals, reports, etc		
https://elt.oup.com/student/headway/beg/test			b) Electronic references, ...websites		

Course Name .1	
Geography Section -Arabic General	
Course Code .2	
Term/Year .3	
Annual course	
Date this description was prepared .4	
2025/9/18	
Available attendance formats .5	
person classroom lectures + an online classroom on-InCIASS ROOM which will serve as a person lectures, accessible via the link-supplementary classroom to the in https://classroom.google.com/c/NzgwOTA3NzQwNTI2?cjc=ib5donxl ctions as per the instru .of the Ministry of Higher Education and Scientific Research	
Total number of study hours / Total number of units .6	
60	
(Name of the course coordinator (if there is more than one, mention it .7	
:Name: Dr. Raghda Amer Yaseen Emailraghda.yaseen@tu.edu.iq	
Course Objectives .8	
<ul style="list-style-type: none"> The student should be able to master the rules of the Arabic language in grammar, morphology, spelling, and .expression The student should be able to apply the rules of the .language in various linguistic uses Arabic The student should be familiar with all aspects of Arabic Islamic, Islamic, Umayyad, Abbasid, -literature (pre Andalusian, modern and contemporary), the most 	Course objectives

<p>prominent poets of each period, and the most important literary texts in poetry and proseliterar</p> <ul style="list-style-type: none"> • The student should be familiar with all schools of literary criticism throughout the ages • The student should be familiar with the sciences of the Holy Quran (rules of recitation, interpretation, Hadith and related matters its terminology and • The student should learn modern technical skills in language study 	
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Teaching and learning strategies .9

strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance and exams	Lecture	Memorizing the Quran: -From Surah Al Isra, verses 23 to 30	Mental and cognitive skills	2	October 1
Classroom performance and exams	Lecture	The Noble Prophetic Hadith	Mental and cognitive skills	2	October 2
Classroom performance and exams	Lecture	Arabic literature -Sharif Al-Al Radi	Mental and cognitive skills	2	October 3
Classroom performance and exams	Lecture	-Ala al-Abu al Ma'arri	Mental and cognitive skills	2	October 4
Classroom performance and exams	Lecture	jeweler	Mental and cognitive skills	2	November 1
Classroom performance and exams	Lecture	Sayyab-Al	Mental and cognitive skills	2	November 2
Classroom performance exams and	Lecture	The term "literature" The art of prose	Mental and cognitive skills	2	November 3
Classroom performance and exams	Lecture	The term prose	Mental and cognitive skills	2	November 4
Classroom performance and exams	Lecture	Types of prose	Mental and cognitive skills	2	December 1
Classroom performance and exams	Lecture	Arabic grammar accusatives	Mental and cognitive skills	2	December 2

Classroom performance and exams	Lecture	The object	Mental and cognitive skills	2	December 3
Classroom performance exams and	Lecture	The object of purpose	Mental and cognitive skills	2	December 4
Classroom performance and exams	Lecture	absolute object	Mental and cognitive skills	2	January 1
		vacation			January 2
Classroom performance and exams	Lecture	The situation	Mental and cognitive skills	2	February 1
Classroom performance and exams	Lecture	Discrimination	Mental and cognitive skills	2	February 2
Classroom performance and exams	Lecture	The culverts	Mental and cognitive skills		February 3
Classroom performance and exams	Lecture	The possessor and the possessed	Mental and cognitive skills		February 4
Classroom performance and exams	Lecture	present tense verb	Mental and cognitive skills	2	March 1
Classroom performance and exams	Lecture	The Five Verbs	Mental and cognitive skills	2	March 2
Classroom performance and exams	Lecture	The letter ta' marbuta	Mental and cognitive skills	2	March 3
Classroom performance and exams	Lecture	The short and long alif	Mental and cognitive skills	2	March 4
Classroom performance and exams	Lecture	The difference ض between ظ and	Mental and cognitive skills	2	April 1
Classroom performance and exams	Lecture	Dictionaries	Mental and cognitive skills	2	April 2
Classroom performance and exams	Lecture	Common linguistic errors	Mental and cognitive skills	2	Nissan3
Classroom performance and exams	Lecture	An introduction to Arabic rhetoric	Mental and cognitive skills	2	April 4
Classroom performance and exams	Lecture	The science of rhetoric	Mental and cognitive skills	2	May 1

Classroom performance and exams	Lecture	Morphology: Conjugation of inanimate and derived forms	Mental and cognitive skills	2	May 2
Classroom performance and exams	Lecture	Final exams		2	May 3
Classroom performance and exams	Lecture	Final exams		2	May 4
Classroom performance and exams	Lecture	vacation		2	June 1

Evaluation Course .11

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

Learning and teaching resources .12

Specialized -General Arabic for Non Sections: Sabah Ali Suleiman	Required textbooks (methodology, if applicable
Specialized -General Arabic for Non Habib -Departments (Tikrit University General Arabic for -Azzawi) -Ahmed Al Specialized Departments: Amin Abdul-Non Qadir Hassan	(Main references (sources
	Recommended supporting books and (...references (scientific journals, reports
- Our Arabic Library Forums	Electronic references, websites

Course Name .1	
Urban Geography	
Course Code .2	
GMHIAH 337	
Term/Year .3	
2025-2026	
description was prepared Date this .4	
2025/9/18	
Available attendance formats .5	
person lectures-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(Name of the course coordinator (if there is more than one, mention it .7	
:Name: Dr. Ruwaida Fouad Abdullah, Email rfouad@tu.edu.iq	
Course Objectives .8	
Developing students' ability to understand the -A characteristics, causes, and solutions to urban problems .world environment-a real within	Course objectives
To provide students with knowledge and ideas on -B	

identifying the most important sources for obtaining geographical data about cities, including data available at the Ministry of Housing and the Central Bureau of well as books and references related to the Statistics, as .subject
 Enabling students to understand the basic principles of -C the subject of cities and to activate its role in their .development on the ground

Teaching and learning strategies .9

.brainstorming to develop skills Using -
 The discussion method in the daily lecture inside the -
 .classroom

strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One / Urban Geography, Its Importance	Understanding the of urban concept geography and its importance	2	September 3
person -In tests	person -In lectures	Urban geography objectives and research methods	Understanding the objectives of urban geography, and knowing how to .research them	2	September 4
person -In tests	person -In lectures	Chapter Two / The City and Urban Development: Foundations for Distinguishing the City from the Village	Understanding the city and urban development, and knowing the basics of distinguishing a city from a village	2	October 1
person -In tests	person -In lectures	Urbanization, urbanism	Understanding the concepts of urbanization and urbanism	2	October 2
person -In tests	person -In lectures	Location and position	Understanding the concepts of location and position and the difference between them	2	October3
person -In tests	person -In lectures	Chapter Three The Internal / Structure of the City and its Theories, The Theory of	Understanding the internal structure of the city and its theories, and the theory of concentric circles	2	October 4

		Concentric Circles			
person -In tests	person -In lectures	Concentric Circles Theory	Understanding the theory of concentric circles	2	November 1
person -In tests	person -In lectures	Sector theory, -multiple nucleus theory	Understanding sector theory and nucleus multiple theory	2	November 2
person -In tests	person -In lectures	Internal structure controls of cities and the factors affecting them	Understanding the internal structure of cities and the factors that influence it	2	November 3
person -In tests	person -In lectures	Chapter Four / City Land Uses	Identifying the uses of city land	2	November 4
person -In tests	person -In lectures	Methods for defining the commercial zone, other commercial use patterns	Identifying methods for defining the commercial area and understanding other commercial patterns usage	2	December 1
person -In tests	person -In lectures	Industrial function	Identifying the industrial function	2	December 2
person -In tests	person -In lectures	residential job	Understanding the residential function	2	December 3
person -In tests	person -In lectures	Recreational function	Identifying the recreational function	2	December 4
person -In tests	person -In lectures	/ Chapter Five Classification of Cities	Understanding city classifications	2	January 1
person -In tests	person -In lectures	Job classification	Identifying job classification	2	January 2
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Chapter Six / City Sizes	Identifying city sizes	2	February 1
person -In tests	person -In lectures	Chapter Seven The / Economic Basis of Cities	Understanding the economic basis of cities	2	February 2
person -In tests	person -In lectures	Chapter Eight / City Inhabitants	Getting to know the city's residents	2	February 3
person -In tests	person -In lectures	Characteristics and	Identifying the characteristics and	2	February 4

		composition of the city's population	composition of the city's population		
person -In tests	person -In lectures	Chapter Nine / Theory of Central Places	Understanding the central theory of places	2	March 1
person -In tests	person -In lectures	Chapter Ten / City Problems, Pollution, Water Supply in Cities	Identifying urban problems, pollution, and water conservation in cities	2	March 2
person -In tests	person -In lectures	Chapter Eleven / Urban Morphology	Understanding the morphology of the city	2	March 3
person -In tests	person -In lectures	Morphological stages of the Islamic -Arab city	Identifying the morphological -stages of the Arab Islamic city	2	March 4
person -In tests	person -In lectures	The city of Baghdad and its stages of development	Getting to know the city of Baghdad and its stages of development	2	April 1
person -In tests	person -In lectures	Jeddah city and its stages of development	Getting to know the city of Jeddah and stages of its development	2	April 2
person -In tests	person -In lectures	Chapter Twelve / The Relationship Between the City Regions and its Territory	Understanding the relationship between the city's region and its surrounding area	2	April 3
person -In tests	person -In lectures	Regional relationship between city and countryside	Understanding the regional relationship between the city and the countryside	2	April 4
person -In tests	person -In lectures	suburbs and urban peripheries	Getting to know the suburbs and urban peripheries	2	May 1
person -In tests	person -In lectures	Reasons for the emergence of suburbs	Understanding the causes of suburban development	2	May 2
			Final exams	—	May 3, 4

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows
marks for the written exam 20

marks for the daily work, distributed between daily exams or reports 5 year exam-of-marks end 50	
Learning and teaching resources .12	
Hiti, Saleh Falih Hassan, -Sabri Faris Al - Kutub for -Geography of Cities, Dar Al Printing and Publishing, University of .Mosul, 2000	Required textbooks (methodology, if (applicable
Urban Geography) by) The textbook - Taif and -Prof. Dr. Bashir Ibrahim Al Prof. Dr. Salah Daoud Salman, 2017	(Main references (sources
Abdul Razzaq Abbas Hussein, -1 .Geography of Cities, 2006 Kamouna, Haider Abdul Razzaq -2 Urban Planning, 1st Edition, General .Cultural Affairs House, Baghdad, 2007 Salah Dawood, The Phenomenon of -3 Ustad -Transgression in Cities, Al Magazine, Issue 1, Ibn Rushd College of .Education, 2007	Recommended supporting books and (...references (scientific journals, reports
https://apps.who.int/iris/bitstream/handle/10665/329429/9789240006119-ara.pdf	Electronic references, websites

Course Name .1	
Tourism Geography	
Course Code .2	
334GGS	
Term/Year .3	
2025– 2025	
Date this description was prepared .4	
2025/9/18	
Available attendance formats .5	
person lectures-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(it Name of the course coordinator (if there is more than one, mention .7	
:Email Esraa Mazen Hamid .Name: M.Mesraa.hamid362@tu.edu.iq	
Course Objectives .8	
<ul style="list-style-type: none"> Understanding the concept of tourism and its importance to the individual, society, and national income knowledge and skills on how To equip the student with society can benefit from tourism potential, whether it be natural potential such as different terrains, diverse natural features, climate and environment, or human, civilizational and cultural potential such as ological sites, architecture, etc., and monuments, archae various tourism facilities and services, and to contribute to their preservation, maintenance and 	Course objectives

.sustainability ● Identifying tourist sites, their distribution, and the factors affecting their distribution in the world.	
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Teaching and learning strategies .9

.person lectures-In - .Using the method of asking questions of the students - .develop skills Using brainstorming to - The method of discussing the details of the lecture topic - .within the classroom Weekly assignments	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Geography and Tourism	Understanding the relationship between geography and tourism	2	4 September
person-In tests	person -In lectures	The concept of tourism and tourist movement	Understanding the concept of the term tourism	2	September 4
person -In tests	person -In lectures	The emergence and development of the tourism movement	Understanding the stages of tourism development	2	October 1
person -In tests	person -In lectures	The relationship of tourism geography to other sciences	Understanding the relationship between tourism and other sciences, and the extent their of interrelationships	2	October 2
person-In tests	person -In lectures	Natural resources for tourism	Identifying the most important natural factors that attract tourism	2	October 3
person -In tests	person -In lectures	Human resources for tourism	Identifying the most important human factors that attract	2	October 4

			tourism		
person -In tests	person-In lectures	Tourist movement patterns	Introducing students to different types of tourism	2	November 1
person -In tests	person -In lectures	Classifying tourism patterns based on different criteria	Understanding the criteria used to classify tourism patterns	2	November 2
person -In tests	person -In lectures	Standards for studying the phenomenon of tourism	Understanding the criteria for studying the tourism phenomenon	2	November 3
person -In tests	person -In lectures	The importance of tourism	Introducing students to the economic, social, and political importance of .tourism, etc	2	November 4
person -In tests	person -In lectures	Motives for tourism	Understanding the motives and desires for performing in the arena	2	December 1
person -In tests	person -In lectures	Research methodologies in tourism geography	Understanding research methodologies in tourism geography	2	December 2
person -In tests	person-In lectures	Tourism planning	Understanding the concept of tourism planning and identifying tourism planning methods and work stages for preparing a tourism plan	2	December 3
person -In tests	person -In lectures	Regional tourism planning regional) tourism	Knowledge of regional tourism planning	2	December 4

		organization (
person -In tests	person -In lectures	The role of tourism geography in tourism development	Informing students about the role of geographers in tourism development	2	January 1
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Sustainable and tourism its key development al elements	Understanding the term development" " and identifying the most important elements of sustainable tourism	2	January 4
person -In tests	person -In lectures	Methods for implem ^g sustainable tourism development standards	Understanding the methods for implementing sustainable tourism development standards	2	February 1
person -In tests	person -In lectures	Tourism system	Understanding the concept of the tourism system, its treatment of the tourism environment, and its .planning	2	February 2
person -In tests	person -In lectures	Tourism and the environment	Understanding the environmental elements surrounding the tourist area	2	February 3
person -In tests	person -In lectures	The aspects on which the geographer relies in the study of tourism	Understanding the important factors in studying tourism	2	February 4
person -In tests	person -In lectures	Types of modern	Identifying the most important	2	March 1

		tourism	types of modern and emerging tourism		
person -In tests	person -In lectures	The tour guide and his role in improving the tourism sector	Understanding the role and importance of the tour guide in tourism	2	March 2
person -In tests	person -In lectures	The tourism sector in Iraq A) geographical overview of the most important tourist sites in the Iraqi governorates (Discovering tourist sites in Iraq	2	March 3
person -In tests	person -In lectures	Tourism patterns in Iraq	Understanding tourism patterns in Iraq	2	4 March
person -In tests	person -In lectures	Indicators of the tourism deficit in Iraq	Identifying indicators of the tourism deficit in Iraq	2	April 1
person -In tests	person -In lectures	Tourism in tourist countries	Discovering tourism in all countries	2	April 2
person -In tests	person -In lectures	Geographical distribution of international tourism	Understanding the factors influencing the geographical distribution of international tourism	2	April 3
person -In tests	person -In lectures	Global tourism markets	Understanding global tourism markets and their importance	2	April 4
person -In tests	person -In lectures	'Countries experiences in international	Learning from other countries' experiences in international	2	May 1

		tourism	tourism		
person -In tests	person -In lectures	Future prospects for tourism	Envisioning the future prospects of tourism		May 2
Final exams					May 3,4
Course Evaluation .11					
distributed according to the tasks assigned to the student, such as The grade out of 100 is .daily preparation, daily, oral, monthly, and written exams, reports, etc :marks for the annual coursework, with 25 marks for each semester, divided as follows 50 exam marks for the written 20 person lectures, daily exams, and -Five marks are allocated for daily attendance in in .reports .year exam, for a total of (100) marks-of-marks for the end 50					
Learning and teaching resources .12					
the required textbooks for the subject, All .especially the more recent ones Nabi -Ilah, Hamid Abdul-Abu Ayyash, Abdul -1 Warraq Foundation -Tai, Tourism Planning, Al-Al for Publishing and Distribution, 2010, Amman, .Jordan ism in Ansari, Raouf Muhammad Ali, Tour-Al -2 Iraq and its role in development and reconstruction, 2nd ed., Ministry of Culture, .Baghdad, 2013			Required textbooks (methodology, if (applicable		
Book: Studies in the Geography of Tourism and -1 Recreation in Iraq, Prof. Dr. Bashir Ibrahim Latif, Shammari , Dar -Rashid Al Asst. Prof. Dr. Ibrahim .Wathiq, Baghdad, 2021-Kutub Wal-Al Tourism Geography: Applications to the Arab -2 Wathiq -World, Ibrahim Khalil Batat, Al .Publishing and Distribution, Jordan, 2010			(Main references (sources		
I recommend using modern sources, including the ."book "Tourist Geography In addition to all academic studies and scientific research published in academic scientific journals .that are related to the subject matter			Recommended supporting books and journals, references (scientific (...reports		
All studies published on websites that are related to the vocabulary of development geography and planning			nces, websitesElectronic refere		

Course Name .1
History of Hadith
Course code .240GsG
Chapter/Year 2025 .3

Date this description was prepared .4					
2025/9/18					
for lectures Available attendance formats .5					
Total number of units: 4 .hours 60 / Total study hours .6					
(Name of the course coordinator (if there is more than one, mention it .7					
:Email ‘Medhat Hamash Jassim Handa .Name: M.M. m.hamash19@tu.edu.iq					
Course Objectives .8					
1- Developing students' ability to learn about aspects of Ottoman history 2- Clarifying the origins of the Ottoman state 3- Understanding the resistance movements that are fighting against the Arab world and how to liberate it					Course objectives
Teaching and learning strategies .9					
1- Using mental skills in developing abilities 2- The discussion style in the daily lecture within the classroom					strategy
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	The Rise of the Ottoman State	Introduction/History of the Modern Arab World	2	September 3
person -In tests	person -In lectures	Kippons' theory, Köpperley	Theories about the origins of the Ottoman state	2	September 4
person -In tests	person -In lectures	The emergence of the Safavid state	Ottoman expansion into the Arab world	2	October 1
person -In tests	person -In lectures	This includes the Portuguese invasion of North Africa	European colonial invasion of the Arab world	2	October 2
person -In tests	person -In lectures	These include: Algeria, Tripoli, and Tunisia	Spanish invasions	2	3 October
person -In tests	person -In lectures	These include: the Levant, Egypt, Hejaz, Yemen, and	Ottoman control of the Arab world	2	October 4

		Iraq			
person -In tests	person -In lectures	This includes Morocco	Ottoman control over the Maghreb countries	2	November 1
person -In tests	person -In lectures	Caliph, and authority government, governor	Chapter Two/Systems of Governance and Administration of the Ottoman State	2	November 2
person -In tests	person -In lectures	This includes: the feudal forces, the Janissary forces	The Ottoman military system	2	November 3
person -In tests	person -In lectures	•Economic social, and political situation; taxes and trade	General conditions of the Ottoman state	2	November 4
person -In tests	person -In lectures	The Mamluks in Baghdad, the Mamluks in Egypt, the Jalilis in Mosul	Ottoman states and local powers	2	December 1
person -In tests	person -In lectures	The historical development of the invasion	Three/The Chapter French Invasion of Egypt	2	December 2
person -In tests	person -In lectures	The first revolution and the second revolution	Invasion operations and their consequences	2	December 3
person -In tests	person -In lectures	This includes: Muhammad Ali Pasha	The rise of Muhammad Ali and the building of the modern state	2	December 4
person -In tests	person -In lectures	Military procedures, administrative procedures	Muhammad Ali's attempts to build a modern state	2	January 1
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	His activity in the Arabian Peninsula, Sudan, Iraq and the Levant	Muhammad Ali's policy	2	February 1
person -In tests	person -In lectures	Ottoman reform attempts	Chapter Four/Ottoman Reform Attempts and Their Impact on Arab Countries	2	February 2

person -In tests	person -In lectures	These include: the army, security forces, and administrative reforms	Ottoman military reforms	2	February 3
person -In tests	person -In lectures	Includes: State law, state general, board of directors, brigade	-Ottoman state owned lands	2	February 4
person -In test	person -In lectures	Judicial Board, District and Municipal Board	Councils of the Ottoman State	2	March 1
person -In test	person -In lectures	The impact of the reform movement in the Arab world	The impact of the reform movement in Arab countries	2	March 2
person -In tests	person -In lectures	Administrative, military, and political	Ottoman reform attempts and their repercussions	2	March 3
person -In tests	person -In lectures	Annual Movement	military reforms	2	March 4
person -In tests	person -In lectures	Includes: Financial	Reform conflicts in the modern era	2	April 1
person -In tests	person -In lectures	importance The of occupation	British occupation of the Arab world	2	April 2
person -In tests	person -In lecture	Political, administrative, military	What gains did the British achieve	2	April 3
person -In tests	person -In lecture	Resistance movement	Egypt's independence	2	April 4
person -In tests	person -In lectures	Colonial movements began in the Arab countries	British interventions in Sudan	2	May 1
_____	-Problem solving method	General review		2	May 2
		Final exams			May 3, 4

Course Evaluation .11

for the annual coursework, with 25 marks allocated for each semester, divided as follows
marks 50
marks for the written exam 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12

Anis Muhammad / The Ottoman State and the Arab East Brockelmann/History of the Islamic Peoples	(equired textbooks (methodology, if applicableR
Hourani Albert / The Ottoman Foundations of the Modern Middle East, Abdul Karim / The accompanied by Levant and Egypt from the Ottoman Conquest until Napoleon's Campaign	(Main references (sources
Shinawi, Muhammad Abdul Aziz / -Al The Ottoman State: An Islamic State	Recommended supporting books and references (...scientific journals, reports)
Noor Library -Electronic resources in Al for Electronic Books and the Iraqi Electronic Book Repository	es, websitesElectronic referenc

Course Name .1	
Geographical research methods	
Course Code .2	
334GGS	
Term/Year .3	
2026/2025	
Date this description was prepared .4	
2025/9/18	
Available attendance formats .5	
My presence	
Total number of study hours / Total number of units .6	
Number of hours: 60 / Number of units: 4	
Name of the course coordinator .7	
:Name: Assistant Professor Huda Naama Hamad Emailh_hamad@tu.edu.iq	
Course Objectives .8	
<ul style="list-style-type: none"> • Teaching the student how to conduct scientific research step by step • Understanding geographical scientific research methodologies and selecting the appropriate one • write and record Introducing the student to how to different research sources • Accessing the most important sources of ancient and modern geography 	Course objectives
Teaching and learning strategies .9	

Strategy: Interactive classroom lectures

10. Course structure

Evaluation Method	Teaching method	Unit/Topic Name	Required learning outcomes	Hours	Week
Classroom performance and exams	Standard method	Introducing human intellectual output in general	Identifying the forms of scientific intellectual output	2	September 3
Classroom performance and exams	Standard method	Definitions of scientific research terms	Understanding the most important scientific research terms	2	September 4
Classroom performance and exams	Standard method	History of scientific research	To give an idea of the stages of systematic scientific research	2	October /1
Classroom performance and exams	Standard method	Fields of scientific research		2	October/2
Classroom performance and exams	Standard method	Thought and thinking	Understanding the meaning of thought and thinking and related concepts	2	October /3
Classroom performance and exams	Standard method	Science classification	Identifying the types of sciences	2	October /4
Classroom performance and exams	Standard method	Research preparation stages	Starting to prepare for the research	2	November 1
Classroom performance and exams	Standard method	Problem selection stage	Identifying the first stage	2	November 2
===	===	Extensive critical readings	Identifying the second stage		November 3
Classroom performance and exams	Standard method	Research plan design and hypothesis formulation phase	How to design the plan	2	November 4
Classroom performance and exams	Standard method	Research justifications	===	2	December/1

Classroom performance and exams	Standard method	Elements of a research plan: Formulating the title and the problem	===	2	December/2
Classroom performance and exams	Standard method	Formulating goals and importance	===	2	December/3
Classroom performance and exams	Standard method	The stage of collecting information and how to record it	Identifying methods of information gathering	2	December/4
===	===	===	===		January/1
	Standard method	The theoretical construction method	Information gathering		January 4
Classroom performance and exams	Standard method	Statistical and field methods	Information gathering	2	February/1
Classroom performance and exams	Standard method	Information analysis and presentation process	How to analyze data and methods of presenting it	2	February 2
Classroom performance and exams	Standard method Text method	Types of sources	Understanding the division of sources	2	3 February
Classroom performance and exams	Standard method	Paper sources	Identifying the types of paper sources	2	4 February
Classroom performance and exams	Standard method	=====	===	2	February 4
Classroom performance and exams	Standard method	paper -Non sources	Identifying the -types of non paper and electronic resources	2	1 March
Classroom performance and exams	Standard method	=====		2	2 March
Classroom performance and exams	Standard method	Types of Geography Curricula	Understanding geographical research methods	2	3 March
Writing a report	Standard method	===	===	2	April 1

Classroom performance and exams	Standard method	Writing a research draft	How to write a draft	2	April 2
Classroom performance and exams	Standard method	Whitewashing the research and producing it in its final form	How to produce the final version of the research paper	2	April 3
Classroom performance and exams	Standard method	Final output requirements	===	2	April 4
	Using clippings	Evaluation of some ancient geographical sources	Identifying some important geographical resources	2	May 1
	===	Evaluating some library resources		2	May 2

Evaluation Course .11

:Grade distribution out of 100

First semester, 25 marks: written exam + daily preparation

Second semester, 25 marks: written exam + daily preparation

(Final exam: 50 marks (written

Learning and teaching resources .12

A handout prepared by the course instructor + the book "Methods of Geographical -Research" by Muhammad Azhar Saeed Al Sammak	methodology, if) Required textbooks (applicable
Wajih Mahjoub / Scientific Research Methods Research Methods Amer Qandilji / Scientific and the Use of Information Sources	(Main references (sources
All available paper sources in traditional libraries that addressed the topic of scientific research	Recommended supporting books and (...references (scientific journals, reports
Everything available on specialized scientific websites	websites •Electronic references

Course Name .1
teaching methods
Course Code .2
338G
Term/Year .3

annual					
Date this description was prepared .4					
21/9/2025					
Available attendance formats .5					
Theoretical / person lectures-In					
Total number of study hours / Total number of units .6					
hours / 4 units 60					
(Name of the course coordinator (if there is more than one, mention it .7					
:Email M. Amna Ali Ahmed Sharqi :Name asharqy@tu.edu.iq					
Course Objectives .8					
I- Cognitive objectives The student should acquire as much scientific knowledge as -1 possible .The student should understand the ethics of the profession -2 with the basic rules of The student should become familiar -3 .teaching methods in applications and employ them in teaching specific skills objectives-b) Program The student should be able to solve problems related to -1 .teaching methods to the The student should be able to solve problems related -2 .teaching steps The student should be able to use modern teaching methods -3 .and technologies in teaching				Course objectives	
Teaching and learning strategies .9					
Active learning strategy Modern learning strategies and mind building .Text method- Descriptive, analytical, and inductive methods- .solving method-Problem -				strategy	
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	Introduction to Teaching Methods	Introducing the student to the importance of teaching methods	2	1
Discussion, report writing, and	Discussion methods, questioning	Characteristics of a good teacher	Introducing the student to the characteristics of a	2	2

exchange of opinions	methods, and -and-the think pair strategy	method	good teaching method		
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	The difference between education, learning and teaching	Distinguishing between education, learning, and teaching	2	3
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	Characteristics of a successful teacher	Defining the characteristics of a successful teacher for the student	2	4
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-think the pair strategy	Teaching methods and their types	Clarifying the concept of teaching style	2	5
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-think the pair strategy	The difference between strategy, method, and approach	Enabling students to distinguish between strategy, method, and approach	2	6
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	Principles of effective teaching and learning	Principles of education that influence learning	2	7
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think	Sources for deriving educational goals	Introducing students to the sources for deriving educational goals	2	8

	pair strategy				
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	Levels of educational objectives	Introducing the student to the levels of educational objectives	2	9
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Classification of behavioral goals	Student definition of behavioral objectives classification	2	10
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Classification of teaching methods	Enabling the student to classify methods teaching	2	11
Discussion, report writing, and exchange of opinions	Discussion methods, questioning methods, and -and-the think pair strategy	Traditional teaching and methods their steps	Introducing the student to the types of traditional teaching methods and their steps	2	12
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Modern teaching methods and their types	Introducing the student to how to use modern teaching methods	2	13
Discussion, report writing, and exchange of opinions	Discussion method, questioning method, and strategy	Questions and their types	Introducing the student to questions and their types	2	14
Discussion report writing, and exchange of opinions	Discussion method and questioning method	Factors contributing to a teacher's success in	Introducing the student to the factors that contribute to the teacher's success in	2	15

		their questions	.his questions		
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Planning	Introducing the student to planning	2	16
Discussion, report writing, and exchange of opinions	Discussion method, questioning method, and strategy	Objection to the plan	Introducing the student to the most important objections to the plan	2	17
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Types of plans	Introducing the student to the types of plans	2	18
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	The concept of teaching methods	Introducing the student to the most important teaching methods	2	19
Discussion, report writing, and exchange of opinions	Discussion method, questioning method, and strategy	elocution	Introducing the student to the method of presentation, its advantages and disadvantages	2	20
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Interrogation method	Introducing the student to the questioning method, its advantages and disadvantages	2	21
Discussion, report writing, and exchange of	Discussion method, questioning method, and	Discussion method	Introducing the student to the discussion method	2	22

opinions	strategy				
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Exploration method	Introducing the student to the exploration method	2	23
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Project Method	Introducing the student to the project method	2	24
Discussion, report writing, and exchange of opinions	Discussion method, questioning method, and strategy	-Problem solving method	Introducing the -student to problem solving methods	2	25
Discussion, report writing, and exchange of opinions	Discussion method and questioning method	Concept maps	Introducing the student to concept maps	2	26
			Final exams	—	27

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows
 marks for the written exam 20
 marks for the daily work, distributed between daily exams or reports 5
 year exam-of-end marks 50

Learning and teaching resources .12

General teaching methods Prof. Dr. Saad Ali Zayer / Dawood Abdul Salam Shammari-Sabri / Mohammed Hadi Al	Required textbooks (methodology, if (applicable
methods and skills for General teaching implementing and planning the teaching process Abdulrahman Abdul Salam Jamal	(Main references (sources
In light of theoretical and field studies, discussion -1 sessions, the use of illustrative methods, and assigning students to write reports and research papers, according to the prescribed course content by A student's scientific personality can be built -2	Recommended supporting books and references (scientific journals, (...reports

.identifying the main ideas of teaching methods Field visits to relevant institutions -3	
http://www.alkutubcafe.com/book/83rjar.html	Electronic references, websites

Course Name .1
geography Soil Third stage
Course Code .2
330GGA
Year / Term .3
2026-2025
Date this description was prepared .4
2025/9/18
Available attendance formats .5
person lectures-In
units number of Total / number of study hours Total .6
hours / 4 units 60
(if there is more than one, mention it) Name of the course coordinator .7
: Email Salam Yusuf M.M. Muhammad : Name mohammed.yousif819@tu.edu.iq

Course Objectives .8	
soil properties Developing students' ability to understand (a And their distribution locations within the And its types . world and continents To provide students with knowledge and ideas on -B soil identifying the most important sources for obtaining including data available at 'and information geography data 'as well as books, references 'Agriculture the Ministry of jectrelated to the sub and research Enabling students to understand the basic principles of -C and to activate its role in developing it in soil science .reality	Course objectives
Teaching and learning strategies .9	
.Using brainstorming to develop skills - inside the The discussion method in the daily lecture - . classroom	strategy

Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Soil / Chapter One its ' Geography Importance	Understanding the concept of soil geography and its importance	2	1
person -In tests	person-In lectures	soil Objectives of and ' geography	the Understanding of soil objectives	2	2

		methods of researching it	and ' geography the methods knowing .of researching it		
person -In tests	person -In lectures	/ Chapter Two Identifying Organic Components	Identifying organic ingredients	2	3
person -In tests	person -In lectures	soil water	Identifying soil water	2	4
person -In tests	person -In lectures	Mother of rock material	the effect Identifying mother rock of material	2	5
person -In tests	person -In lectures	Two: On the Chapter Impact of Climate Factors	Identifying the impact of climate factors	2	6
person -In tests	person -In lectures	of plants Influence and animals	the Understanding of plants and impact animals	2	7
person -In tests	person -In lectures	topography	Terrain recognition	2	8
person -In tests	person -In lectures	erosion agent	the impact Identifying of erosion factors	2	9
person -In tests	person -In lectures	running The effect of water	the Understanding running effect of water	2	10
person -In tests	person -In lectures	of wind The effect and wind erosion and their role in soil transport	the impact Identifying of wind, wind erosion, and soil transport	2	11
person -In tests	person -In lectures	Time factor	the Understanding of the time impact factor	2	12
person -In tests	person -In lectures	Human factor	Identifying the human factor	2	13
person -In tests	person -In lectures	Soil types	Identifying soil types	2	14
person -In tests	person -In lectures	Soil texture	Soil texture identification	2	15
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Soil composition	Identifying soil composition	2	1
person -In tests	person -In lectures	soil thickness	Identifying soil thickness	2	2
person -In tests	person -In lectures	Soil / Three Chapter Color	Identifying soil colors	2	3
person -In tests	person -In lectures	Soil / Three Chapter Porosity	Identifying soil porosity	2	4

person -In tests	person -In lectures	properties chemical	Identifying chemical properties	2	5
person -In tests	person -In lectures	Soil fertility	Identifying soil fertility	2	6
person -In tests	person -In lectures	Soil / Four Chapter Acidity and Salinity	Identifying soil acidity and salinity	2	7
person -In tests	person -In lectures	On the zonal soils	Identifying zonal soils	2	8
person -In tests	person -In lectures	regional soils-Non	-Identifying non regional soils	2	9
person -In tests	person -In lectures	conservation soil	Understanding soil conservation	2	10
=	=	=	Fitr holiday-Eid al	2	11
person -In tests	person -In lectures	Crop / Five Chapter Rotations	Identifying agricultural cycles	2	12
person -In tests	person -In lectures	slopes	Identifying slope gradients	2	13
person -In tests	person -In lectures	Contour farming	Understanding contour farming	2	14
			Final exams	—	-May 4 5

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows
for the written exam marks 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12

Soil • Mudhaffar-Dr. Safaa Majeed Al - Geography	methodology, if) Required textbooks (applicable
Sheikh Hassan, Biological and -Kamal Al - 2011 • Soil Geography	(sources) Main references
Soil Geography, authored by Professor -1 .Dr. Kazem Shanta Saad	Recommended supporting books and (.etc • reports • scientific journals) references
https://www.researchgate.net/publication/332766418_jghrafyt_altrbt_talyf_alastadh_al_dktwr_kazm_shnth_sd_jamt_mysan_klyt_altrbyt	websites • rencesElectronic refe

Course Name .1

Geography Industrial Third stage

Course Code .2

39GMGR

Year / Term .3					
2025/2026					
description was prepared Date this .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
hours / 4 units 60					
(if there is more than one, mention it) Name of the course coordinator .7					
esraa.hamid326 :Email M.M. Israa Mazen Hamid : Name@ tu.edu,iq					
Course Objectives .8					
1- Preparing teaching staff who are well aware of the importance of industry, its branches, and the factors . that contribute to its progress 2- Placing graduates within the general framework of the community's economic development to play an active role in it 3- reparing qualified personnel capable of better P understanding environmental conditions and problems, especially regarding the relationship .between industry and the environment					Course objectives
Teaching and learning strategies .9					
.skills Using brainstorming to develop -1 inside the The discussion method in the daily lecture -2 . classroom					strategy
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	The / Chapter One Birth of Industrial Geography	Understanding the concept of industry importance and its	2	Septemb R4 er
person -In tests	person -In lectures	Definition of industrial and its geography fields	Identifying the most important areas of industrial geography	2	Septemb 4 er
person -In tests	person -In lectures	Classification of economic activity	Understanding the International Classification of Economic Activity	2	October 1
person -In tests	person -In lectures	Research methodologies in industrial	Understanding research methodologies in	2	October 2

		geography	industrial geography		
person -In tests	person -In lectures	Factors of industrial localization	Identifying the factors of industrial localization	2	October 3
person -In tests	person -In lectures	Standards used in the industry	Identifying the most important criteria industrial used in geography	2	October 4
person -In tests	person -In lectures	Data sources	Identifying the most important data sources in industrial geography	2	November 1
person -In tests	person -In lectures	Chapter Two / Concepts of Industrial Activity	Understanding the important most concepts related to industrial activity	2	November 2
person -In tests	person -In lectures	extractive industries	Identifying the most important extractive industries	2	November 3
person -In tests	person -In lectures	Manufacturing industries	The most important manufacturing industries with high economic returns	2	November 4
person -In tests	person -In lectures	Industrial growth	Understanding the importance of industrial growth and development	2	December 1
person -In tests	person -In lectures	Industrial development	Identifying the most important methods used in industrial development	2	December 2
person -In tests	person -In lectures	Manufacturing	Understanding the importance of manufacturing in all fields and types of industries	2	December 3
person -In tests	person -In lectures	Industrial structure	Understanding the importance of the industrial structure for all industries	2	December 4
person -In tests	person -In lectures	Components Industrial	Site and location components	2	January 3
person -In tests	person -In lectures	Chapter Three/ The Emergence of Industry	Understanding the emergence of different industries	2	January 4
person -In tests	person -In lectures	Industry development	The development in the field of various industries	2	
2026 - 2/2 -Spring break 18/1					

person -In tests	person -In lectures	Classification of industrial activity	Identifying the most important industrial classifications and activities	2	February 2
person -In tests	person -In lectures	Factors contributing to the rise of industry	Identifying the most important factors that lead to the establishment of industries	2	February 3
person -In tests	person -In lectures	Natural factors climatic and) (topographical	Climatic factors that lead to the establishment of industry	2	February 4
person -In tests	person -In lectures	Economic factors	The most important economic factors that contribute to the establishment and development of industry	2	March1
person -In tests	person -In lectures	Demographic factors	Identifying the most important demographic factors that lead to the establishment of various industries	2	March2
person -In tests	person -In lectures	Chapter Four/Theories of Industrial Sites	Understanding the most important theories of industrial sites	2	March3
person -In tests	person -In lectures	Industrial site patterns	Classification of different industrial site patterns	2	March4
person -In tests	person -In lectures	Chapter Five/ Industrial Site Policies	Identifying the most important policies related to industrial sites	2	April1
person -In tests	Lectures are in person	Problems facing industries	Identifying the most important problems facing all industries	2	April2
person -In tests	person -In lectures	capital problem	-Identifying capital problems in related industries	2	April3
person -In tests	person -In lectures	cramped space and industrial sites	The problem of limited space and the distribution of different industries	2	April4
person -In tests	person -In lectures	Industrial pollution	most Identifying the important industrial pollutants released by	2	Mays1

			all industries		
person -In tests	person -In lectures	Fieldwork in industrial studies	Understanding the importance of fieldwork and gathering information about all industries	2	Mays2
			Final exams	—	‘ 3 May 4

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows

marks for the written exam 20

distributed between daily exams or reports ‘marks for the daily work 5

year exam-of-marks end 50

Learning and teaching resources .12

-Abbas Al and Sammak-Dr. Muhammad Al - University ‘ of Industry Geography ‘ Tamimi 1987 ‘ of Mosul

Required textbooks (methodology, if (applicable

Dr. Muhammad Asmak, Geography of - Industry from a Contemporary Perspective

(Main references (sources

Fundamentals of scientific research, its -1 industrial geography methods and fields in Assistant Professor Dr. Rahman by Authored Rabat Hussein

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

[Fundamentals of Scientific Research, Methods and Fields in Industrial Geography| Al-Qadisiyah Journal For Humanities Sciences \(qu.edu.iq\)](#)

Electronic references, websites

Course Name .1

Agricultural Geography

Course Code .2

GGA 332

Year / Term .3

2026-2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5

person lectures-In

units number of Total / number of study hours Total .6

hours / 4 units 60

(if there is more than one, mention it) Name of the course coordinator .7

: Email M.M. Hamid Shakhir Nazal : Name hameed.nazal@tu.edu.iq

Course Objectives .8

Developing students' ability to understand the characteristics (a
 Factors affecting .agricultural geography of problems in
 .and their processing production
 teachers from among graduating training Preparing and (b
 to identify the most and knowledge and ideas On students
 ' agricultural geographic data important sources for obtaining
 Agriculture and its including data available at the Ministry of
 and the Central Statistical Organization, as well as directorates
 .es related to the subjectbooks and referenc
 to understand the graduating students enabling Preparing and -C
 and to activate its role agricultural geography basic principles of
 . in the agricultural field in developing it on the ground
 theory and practice in the Preparing teachers who combine -D
 .field of teaching agricultural geography

objectives Course

Teaching and learning strategies .9

.Using brainstorming to develop skills -
 inside the The discussion method in the daily lecture -
 . classroom

strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One / of Geography its ' Agriculture concept	Understanding agricultural geography and its concept	2	4 September
person -In tests	person -In lectures	of Objectives agricultural and ' geography methods of research in it	become familiar with agricultural geography methodologies and research methods within .them	2	1 October
person -In tests	person -In lectures	Its relationship to other fields of geography and other sciences	Understanding its important relationship and connection with other sciences	2	2 October
person -In tests	person -In lectures	Climatic factors temperature and) (water	Identifying the geographical factors affecting agricultural production	2	3 October
person -In tests	person -In lectures	Its emergence, development, and spread	Identifying the factors that led to the emergence of agriculture	2	October4

person -In tests	person -In lectures	Social characteristics and agricultural tenure	Identifying the intrinsic characteristics of agriculture	2	1 November
person -In tests	person-In lectures	Human characteristics population and) government (policies	Identifying the human characteristics that influence agricultural production	2	2 November
person -In tests	person -In lectures	Agricultural production scale large and small) And the (scale trend towards specialization	Identifying the characteristics of agricultural production	2	3 November
person -In tests	person -In lectures	Types of agricultural production patterns: shifting and intensive farming	Identifying agricultural production patterns	2	4 November
person -In tests	person -In lectures	Natural characteristics (surface, climate) soil and water (resources	Getting to know External characteristics of agriculture	2	1 December
person -In tests	person -In lectures	wheat and rice	Identifying the most important grain crops	2	December2
person -In tests	person -In lectures	cotton crop	Identifying the most important fiber crops	2	2 December
person -In tests	person -In lectures	Sugarcane and sugar beet	Identifying the most important sugar crops	2	3 December
person -In tests	person -In lectures	soybean	Identifying important oilseed crops	2	1 January
person -In tests	person -In lectures	Tea, coffee and cocoa crops	Identifying the most important stimulant crops	2	2 January
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Tobacco and opium crops and their distribution	Identifying the most important drug crops	2	February1
person -In tests	person -In lectures	Types and distribution	Identifying the most important horticultural crops	2	February2

person -In tests	person -In lectures	Grape and apple harvest	Identifying fruit and its crops production components	2	3 February
person -In tests	person -In lectures	Types of dates and their global distribution	Identifying the date crop and its production components	2	February4
person -In tests	person -In lectures	Tomato and potato production and their global distribution	Identifying the most important vegetable crops and their production requirements	2	March1
person -In tests	person -In lectures	Components of animal production	Understanding the importance of animal production	2	March2
person -In tests	person -In lectures	Types of cattle and their geographical distribution	Understanding the importance of cattle breeding and the factors controlling production	2	3 March
person -In tests	person -In lectures	farming Sheep requirements and geographical distribution	Understanding the importance of sheep farming and its types	2	4 March
person -In tests	person -In lectures	Types of poultry	Understanding the importance of poultry farming and production requirements	2	April1
person -In tests	person -In lectures	Poultry varieties	Understanding the economic importance of poultry	2	2 April
person -In tests	person -In lectures	Classification and Telegraphy	Identifying early attempts at agricultural classification	2	3 April
person -In tests	person -In lectures	International Geographical Union Classification Agricultural) Systems and Agricultural (Regions	Understanding agricultural modern classifications	2	4 April
person -In tests	person -In lectures	sensing, Remote fieldwork, and library resources	Identifying agricultural geographic data	2	1 Mays

			sources and presentation techniques		
person -In tests	person -In lectures	Tables, maps, and graphs	Understanding agricultural geographic data display techniques	2	May2
person-In tests	person - In lectures	Statistical analysis, induction, and measurement	Understanding statistical analysis techniques in agricultural studies	2	3 May
			Final exams	—	4 + 3 May

Course Evaluation .11

divided as 25 marks for the annual coursework, with 25 marks allocated for each semester 50 :follows

marks for the written exam 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

Learning and teaching resources .12

Agriculture: Dr. Mukhlif Geography of - Shallal Mar'i . Dr. Ibrahim Muhammad Hassoun	Required textbooks (methodology, if (applicable
Dr. Kadhim – Geography of Agriculture - Abadi-Abadi Al Dr. Ali Ahmed --Geography of Agriculture Haroun	(Main references (sources
1- Geography of Agriculture, Dr. Muhammad Khambes Lazouka, 2000 . AD 2- Geography of Agriculture, Dr. Akeeli, 2021-Muhammad Al	Recommended supporting books and (...c journals, reportsreferences (scientifici
uomustansiriyah.edu.iq > media > lectures	Electronic references, websites

Course Name .1

guidance and mental health Educational

Course Code .2

43 GTG

Term/Year .3

2025/2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5

My presence					
Total number of study hours / Total number of units .6					
Number of units: 4 / Number of hours: 60					
(Name of the course coordinator (if there is more than one, mention it .7					
:Name: M. Huda Naama Hamad Emailh_hamad@tu.edu.iq					
Course Objectives .8					
<ul style="list-style-type: none"> • Building a school mentor • guidance Understanding the principles and methods of • Adopting the scientific approach in educational guidance based on scientific theories 				Course objectives	
Teaching and learning strategies .9					
Lectures			Strategy: Interactive classroom lectures		
Course Structure .10					
Evaluation Method	Learning method	topic name Unit or	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Guidance and counseling	Understanding the meaning of educational guidance and counseling	2	September 3
====	====	Guidance stages	====	2	September 4
====	====	Objectives of guidance and counseling	====	2	October 1
====	====	Principles of Educational Guidance and Counseling	====	2	October 2
====	====	The relationship between guidance and other sciences	Understanding the areas and methods of guidance	2	October 3
====	====	The problem of academic delay	Identifying the problems that counseling addresses	2	October 4
====	====	The problem of cheating in achievement tests		2	November
====	====	Exam anxiety problem		2	November 2
====	====	poor The problem of academic performance			November 3
====	====	Philosophical, psychological and	Understanding the	2	November 4

		social foundations	fundamentals of guidance and counseling		
====	====	And ¿What is theory why are there so many ¿different theories	Understanding the most important counseling theories	2	December 1
====	====	Psychoanalytic theory	====	2	December 2
====	====	The goal of psychoanalytic therapy and the role of the counselor	====	2	December 3
====	====	Behavioral theory	====	2	December 4
====	====	theory-Self	====	2	January 1
vacation	vacation	vacation	vacation		January 2
person -In tests	person -In lectures	Methods of data collection/form construction	Learn how to design a counselor information form	2	January 4
====	====	Types of information	====	2	February 1
====	====	Interview	Learn how to conduct an interview	2	February 2
====	====	Observation	How to make an observation	2	February 3
====	====	Tests and Measurements	Identifying tests and measures	2	February 4
		Case study	====	2	March 1
		Narrative and cumulative record	====	2	March 2
person -In tests	person -In lectures	Prepared by the educational counselor	====	2	March 3
====	====	Parents' Councils	====	2	March 4
====	====	Mental health science/its goals	Understanding the science of health mental	2	April 1
====	====	Mental illness	Definition of mental illness	2	April 2
====	====	Some growth problems	The impact of growth problems on guidance	2	April 3
====	====	psychological crises	What are psychological ¿crises	2	April 4

===	===	Psychological disorders	===	2	May 1
===	===	compatibility and adaptation	===	2	May 2
					May 3 and 4 final exams

Course Evaluation .11

:Grade distribution out of 100

written exam + daily preparation :First semester, 25 marks

Second semester, 25 marks: written exam + daily preparation

(Final exam: 50 marks (written

Learning and teaching resources .12

Prepared / Guidance and Mental Health Guidelines by a Committee of Specialists	Required textbooks (methodology, if applicable)
The book "Psychological and Educational Guidance: Between Theory and Practice" by Abdul Khawaja-Fattah Muhammad Al The book "Guidance and Psychological Counseling" by Kamila Farroukh	(Main references (sources
Journal of Educational and Psychological Sciences	ended supporting books and Recomm references (scientific journals, (...reports
Everything available on specialized scientific websites	Electronic references, websites

Course Name .1

Detailed climate

Code Course .2

GGA 330

Term/Year .3

2026 – 2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5

person lectures-In

Total number of study hours / Total number of units .6

hours / 4 units 60

(if there is more than one, mention it) Name of the course coordinator .7

Name: M.M. Huda Nasser Najimhuda.n.najim@tu.edu.iq

Course Objectives .8

<ul style="list-style-type: none"> • It aims to introduce students to detailed climatology, its various fields, research methods, and the differences between .it and local and global climatology • This course aims to cover the most important fundamentals of detailed climatology and to identify changes in climate elements and phenomena at a very precise level, down to the .centimeter • impact of Earth's surface features Introducing students to the on climate at a precise level • Introducing students to the differences between rural and urban climates • Introducing students to methods of adapting to and mitigating sthe severity and extremes of the climate and its element 	Course objectives
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Teaching and learning strategies .9

.Using brainstorming to develop students' skills - The method of discussing the details of the lecture topic within - .the classroom Weekly assignments	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter 1 / Introduction to Climatology	The difference between the concepts of local, comprehensive, and detailed climate	4	1
person -In tests	person -In lectures	Chapter Two / The Atmosphere	The importance of atmosphere the	4	2
person -In tests	person -In lectures	Chapter Two / The Atmosphere	layers of the atmosphere	4	3
person -In tests	person -In lectures	Chapter Three / Climate Elements	Climate elements	4	4
person -In tests	person -In lectures	Chapter Three / Climate Elements	Climate elements	4	5
person -In tests	person -In lectures	Chapter Three / Climate Elements	Methods and ways to measure it	4	6
person -In tests	person -In lectures	Chapter Four / Detailed Climate	climate modifications	4	7
person -In tests	person -In lectures	Chapter Four/ Detailed Climate	Frost prevention	4	8
person -In tests	person -In lectures	Chapter Five / Climate of Flat Surfaces	climate of barren flat surfaces	4	9
person -In tests	person -In lectures	Chapter Five / Climate of Flat Surfaces	of bodies climate of water	4	10
person -In tests	person -In lectures	Chapter Six / Detailed Climate Models	Vegetation surface climate	4	11

person -In tests	person -In lectures	Six / Detailed Chapter Climate Models	Microclimate for cereal crops and meadows	4	12
person -In tests	person -In lectures	Chapter Seven / Forest Climate	forest climate	4	13
person -In tests	person -In lectures	Chapter Eight / Highland Climate	slope climate	4	14
person -In tests	person -In lectures	Chapter Eight / Highland Climate	climate slope	4	15
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Chapter Nine / Valley Climate	Valley climate	4	16
person -In tests	person -In lectures	Chapter Ten / Orographic Winds	topographic winds	4	17
person -In tests	person -In lectures	Chapter Eleven Soil Climate /	soil climate	4	18
person -In tests	person -In lectures	Chapter Twelve / Forest Climate	forest climate	4	19
person -In tests	person -In lectures	Chapter Thirteen / Soil Climate	soil climate	4	20
person -In tests	person -In lectures	Chapter Fourteen / Soil Climate	soil temperature	4	21
person -In tests	person -In lectures	Chapter Fifteen / Urban Climate	The emergence of a city's unique climate	4	22
person -In tests	person -In lectures	Chapter Sixteen / Urban Climate	City temperatures	4	23
person -In tests	person -In lectures	Chapter / Seventeen Urban Climate	air humidity	4	24
person -In tests	person -In lectures	Chapter Eighteen / Urban Climate	The city's extreme climate	4	25
person -In tests	person -In lectures	Chapter Nineteen / Valley Climate	Understanding the climate of valleys	4	26

Final exams

Course Evaluation .11

student, such as daily The grade out of 100 is distributed according to the tasks assigned to the .preparation, daily, oral, monthly, and written exams, reports, etc
:marks for the annual coursework, with 25 marks for each semester, divided as follows 50 marks for the written exam 20
.person lectures, daily exams, and reports-in in Five marks are allocated for daily attendance

.year exam, for a total of (100) marks-of-marks for the end 50	
Learning and teaching resources .12	
All the required textbooks for the subject, .more recent ones especially the	(Required textbooks (methodology, if applicable
The Smaller Climate/ Ali Hassan Moussa Local Climate/ Hassani-Fadhil Baqir Al	(Main references (sources
All modern climatological sources in the detailed climatology field of	Recommended supporting books and references (...scientific journals, reports)
world wide web	Electronic references, websites

Course Name .1	
Transport Geography	
Course Code .2	
GPG445	
Term/Year .3	
2025-2026	
Date this description was prepared .4	
18/9/2025	
Available attendance formats .5	
lectures person-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(Name of the course coordinator (if there is more than one, mention it .7	
:Email Najdi-Dr. Farah Abdul Qader Falih Rahim Al :Name farah.falih872@tu.edu.iq	
.These are represented by the objectives of the course material : Course objectives .8	
It aims to introduce students to the geography of transport in -1 .to other sciences relation This course aims to cover the most important fundamental pillars -2 of transport geography by identifying the various transport .characteristics and functions that transport performs in the world of studying transport To introduce students to the impact - 3 geography and its effects on all human phenomena, and to explain its effects on the population from an economic, social and .environmental perspective Introducing students to the geographical differences of - 4 ying its descriptive and applied aspects transportation and stud .compared to other geographical subjects Introducing students to the fields of descriptive and analytical - 5 geographical research on transport geography from a human and .economic perspective in the world loping students' ability to understand the characteristics of Deve - 6 transport geography and its positive effects on the overall economic . world and social life in the	Course objectives
Teaching and learning strategies .9	
:specific skills objectives-Course - enable students to become familiar with topics related to the To - 1	strategy

subject of transport geography and the foundations upon which the .study is based
 Trying to link the vocabulary of the course material to the - 2
 .students' reality
 come researchers in the field of Qualifying students to be - 3
 .transport geography

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Characteristics of modern means of transport	Getting acquainted with modern means of transportation in the world	2	September 3
person -In tests	person -In lectures	Rail transport	An introduction to the characteristics and advantages of road transport; an introduction to the characteristics of rail .transport worldwide	2	September 4
person -In tests	person -In lectures	Water transport (river and sea)	Explaining the nature and importance of water transport (river (and sea	2	October 1
person -In tests	person -In lectures	The Suez Canal is one of the world's maritime .canals	Statement of the characteristics and features of air transport	2	October 2
person -In tests	person -In lectures	Panama Canal	Knowledge of the most important maritime channels of economic and transport significance in the world	2	October3
person -In tests	person -In lectures	Straits and their types	Explaining the economic, locational, and strategic importance of the Suez Canal in the Arab Republic of Egypt	2	October 4
person -In tests	person -In lectures	natural harbors	Unveiling the geostrategic, transportation, and economic importance of the Panama Canal in Central America	2	November 1
person -In tests	person -In lectures	Classification of natural harbors	Understanding the types of lagoons	2	November 2

			found worldwide and their relationship to the economic activities of countries around the world		
person -In tests	person -In lectures	Air routes and lines	Introducing students to the nature of natural harbors and their importance in the field of transportation .worldwide	2	November 3
person -In tests	person -In lectures	Transportation and agricultural activity	Statement on the importance of air routes and their spread throughout the world	2	November 4
person -In tests	person -In lectures	Transportation and industrial activity	Understanding the role of transportation in agricultural activity	2	December 1
person -In tests	person -In lectures	The world's major shipping lines	Understanding the role of transportation in industrial activity	2	December 2
person -In tests	person -In lectures	Pacific Ocean navigation	natural on To know Its and Navigation importance in Transportation The Guide ocean	2	December 3
person -In tests	person -In lectures	Navigation in the Indian Ocean	on identification Navigation natural Its importance and in Transportation Indian ocean	2	December 4
person -In tests	person -In lectures	Navigation in the Atlantic Ocean	Importance statement and Transportation For Economic For the in navigation Atlantic perimeter	2	January 1
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Navigation in the Panama Canal	clarification The Students importance of channel in navigation The from Panama and Economic area In it Transportation	2	January 4
person -In tests	person -In lectures	Navigation in the Suez Canal	in Navigation effect on Suez channel Commercial Activity	2	February 1

			Industrial and In it agricultural		
person -In tests	person -In lectures	Navigation on the Danube River	role on identification river in Navigation His and Danube In relationship Economic activities with Commercial and countries for Neighborhood him	2	February 2
person -In tests	person -In lectures	International trade	Defining the importance of international trade	2	February 3
person -In tests	person -In lectures	The importance of international trade	and role knowledge contribution commerce Level on International and Economic world the in Industrial	2	February 4
person -In tests	person -In lectures	International Trade and Industrial Development	on identification relationship natural between what Menu commerce Its and International development effect Economic	2	March 1
person -In tests	person -In lectures	Trade and Industrial Development	on identification relationship natural between what Menu commerce Its and International development effect Industrial	2	March 2
person -In tests	person -In lectures	means Transportation and Water in wilderness the world	identification In the forms Students of means Water Transportation the in wilderness and Her and world growth relationship and Populat development Their and ion Their and output) Economic activities and (Agricultural Industrial	2	March 3
person -In	person -In	Transportation	on identification	2	March 4

tests	lectures	systems and their types	Organized Patterns the in Transportation world		
person -In tests	person -In lectures	By shipping containers	nature knowledge Transportation through intermediaries receipt in mentioned and goods different Services	2	April 1
person -In tests	person -In lectures	Patterns Transportation By ships Commercial	Types statement Transportation means Commercial For ships Her relationship and With the process the in Transportation world	2	April 2
person -In tests	person -In lectures	Transport .S vessels (oil, gas, fishing, (warships on identification ships Types Transportation Private	on identification ships Types Transportation In Private different activities the in countries For world	2	April 3

Course Evaluation .11

semester, divided as marks for the annual coursework, with 25 marks allocated for each 50 :follows
marks for the written exam 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12

Course/Methodological Guide Studies in Transport Geography / My Source	Required textbooks (methodology, if applicable)
Ahmed Habib Rasoul, International Transport and .(Trade, Baghdad, 1981 (Methodological Muhammad Riyad, Geography of Transport, Dar - Beirut, 1979 (my 'Nahda Printing House-Al (source	(Main references (sources
and foreign Arabic Modern Regional Sources all Transportation geography area in	Recommended supporting books and references (scientific journals, (...reports
nothing	Electronic references, websites

Course Name .1

Americas Geography of the

Course Code .2

333 GNRG					
Term/Year .3					
2025/2026					
Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
Total number of study hours / Total number of units .6					
hours / 4 units 60					
(Name of the course coordinator (if there is more than one, mention it .7					
:Email .A -Al Zainab Safaa Bandar .Name: M.Mzainab.bandar337@tu.edu.iq					
Course Objectives .8					
<p>identification - on Concepts Basic in Fih Ghra .C The Americas identification - on Origin The two continents And they developed Geologist identification - on manifestations surface and resources Water - identification on life Botanicals and soil and regions climatic - identification on features Population economy and The two continents and activity The A'i A R and industrial minerals raw - identification on Regions Geography The elected The Importance The Great in the world New identification on a reason naming America Southern In Latin</p>				Course objectives	
learning strategies Teaching and .9					
<p>mental skills Using brainstorming to develop inside the The discussion method in the daily lecture - . classroom</p>				strategy	
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	North America Geographical Framework	Understanding of nature the continent the in terms of area, location, and geological structure	2	September3
person -In tests	person -In lectures	The terrain of North America	Identifying the most important	2	September 4

			clear series and landmarks of Topography the Earth's surface		
person -In tests	person -In lectures	Climate in North America	Understanding the temperature and rainfall situation in North America	2	October 1
person -In tests	person -In lectures	Soil in North America	Identifying the types of soil that are prevalent and where they are concentrated	2	October 2
person -In tests	person -In lectures	economic situation	Identifying agricultural regions and the most important economic crops	2	October3
person -In tests	person -In lectures	economic situation	Identifying the dominant industries and industrial regions in North America	2	October 4
person -In tests	person -In lectures	economic situation	Identifying mineral resources in North America	2	November 1
person -In tests	person -In lectures	Transportation methods in North America	Identifying the Mississippi River route and car routes	2	November 2
person -In tests	person -In lectures	Human situation in North America	Understanding the settlement of North America since discovery its	2	November 3
person -In tests	person -In lectures	The human condition	Understanding human composition Native) Americans, early immigrants,	2	November 4

			African (Americans)		
person -In tests	person -In lectures	Population density and distribution	Identifying changes in population size and distribution according to demographic composition	2	December 1
person -In tests	person -In lectures	Geographical regions of America North	The concept and nature of a geographical region	2	December 2
person -In tests	person -In lectures	Atlantic -Mid Region	Identifying the region in terms of location and agricultural and industrial activity	2	December 3
person -In tests	person -In lectures	Appalachian region	To learn about the region in terms of location and agricultural and industrial activity	2	December 4
person -In tests	person -In lectures	Southern Region	To learn about the region in terms of location and agricultural and industrial activity	2	January 1

break Spring
from 18/1/2026
to 31/1/2026

person -In tests	person -In lectures	Definition of Latin America and its geographical structure	Understanding the term Latin America, its geographical boundaries, area, and the reason for the name	2	January 4
person -In tests	person -In lectures	Structure and topography	Identifying the surface sections and the percentage they comprise	2	February 1

erson p-In tests	person -In lectures	Weather and climate	Identifying heat and rainfall patterns in summer and winter	2	February 2
person -In tests	person -In lectures	Soil and natural vegetation	Identifying soil types and their relationship to the spread of natural vegetation	2	February 3
person -In tests	person -In lectures	human conditions	Getting to know the indigenous people of the continent, the Red Indians	2	February 4
person -In tests	person -In lectures	human conditions	Identifying mixed populations of whites and blacks	2	March 1
person -In tests	person -In lectures	natural resources	Understanding agriculture and its economic importance	2	March 2
person -In tests	person -In lectures	mineral wealth	Identifying minerals and their economic impact	2	March 3
person -In tests	person -In lectures	Industry	Identifying the dominant industries in the continent	2	March 4
person -In tests	person -In lectures	Transportation	Identifying the various modes of transport in the continent	2	April 1
person -In tests	person -In lectures	commerce	Understanding the diversity of trade Where exports from and imports	2	April 2
person -In tests	person -In lectures	Geographical regions of Latin America	Understanding the geographical distribution of regions in Latin America	2	April 3
person -In tests	person -In lectures	Central rica Ame region	Identifying the region in terms of population and agricultural and industrial activities	2	April 4
person -In tests	person -In lectures	Mexico	Identifying the region in terms of population and agricultural and industrial activities	2	May 1
person-In	person - In	Colombia	Identifying the	2	May 2

tests	lectures		region in terms of population and agricultural and industrial activities		
			Final exams	—	May 3, 4
Course Evaluation .11					
marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows written exam marks for the 20 marks for the daily work, distributed between daily exams or reports 5 year exam-of-marks end 50					
Learning and teaching resources .12					
Tai, University of -Dr. Muhammad Hamid Al Shalash, -Baghdad; Dr. Ali Hussein Al -University of Basra; Dr. Wafiq Hussein Al University of Baghdad; Khashaba Geography of the New World (The Americas), 1980			Required textbooks (methodology, if (applicable		
nothing			(Main references (sources		
nothing			ting books and Recommended support (...references (scientific journals, reports		
nothing			Electronic references, websites		

1 .The course name	natural Resources
2 .The course code	TM G 336natural Resources
3 . the chapter /Year	2026 - 2025
4 .Description this numbers date	18/9/2025
5Available the audience shapes	immanence Lectures
6 . Study Hours number (Total) / Units number (Total)	60 hour / 4units
7 . Academic The course responsible name) It is mentioned name from more if(the name: Dr. Ali Abdullah Musa Email ali.mousa@tu.edu.iq
Course Objectives .8	

<p>1- To enable students to understand the concept of natural them, resources, their importance, the reasons for studying .and their classification</p> <p>2- Developing the student's ability to use technological .means in the service of natural resource topics</p> <p>3- Developing the student's ability to find solutions to problems facing natural resources. Developing the .to draw maps student's ability</p>	Course objectives
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Teaching and learning strategies .9

<p>.Using brainstorming to develop skills -</p> <p>The discussion style in the daily lecture within the classroom -</p> <p>Using scientific videos and illustrations to explain the most -</p> <p>.resources important natural</p>	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Tests	person -In lectures	Getting to know the students	Introduction and preparation of students for the subject	2	1
Tests	person -In lectures	Vocabulary, key resources, exam format and grading system	Introducing students to the most important scientific sources in the geography of natural resources and the grading and .testing system	2	2
person -In tests	person -In lectures with field application	The concept of natural resources, their importance, and methods of studying them	Introducing students resources, to natural their importance, the reasons for studying them, methods of studying them, and .their classification	2	3
person -In tests	person -In lectures	Soil: its concept and formation factors (base rock, climate, topography, living (organisms, time	Introducing students to soil as a natural resource and the factors that contribute to its formation	2	4
person -In tests	person -In lectures	Physical properties of soil (color, texture, structure, porosity, permeability, density,	Identifying the physical properties of the soil	2	5

		(temperature			
person -In tests	person -In lectures	Chemical properties of the soil reactivity,) soil (salinity, fertility	Identifying the chemical properties of the soil	2	6
person -In tests	person -In lectures	Soil classification zonal, interzonal,) (zonal-non	Identifying soil classifications	2	7
person -In tests	person -In lectures	Soil problems and maintenance	Identifying soil problems and methods of it maintaining	2	8
person -In tests	person -In lectures	Plant and animal resources and influencing factors	Identifying plant and animal resources and the factors that influence them	2	9
person -In tests	person -In lectures	Classification and distribution of plant and animal resources	the Understanding classification and distribution of plant and animal resources	2	10
person -In tests	person -In lectures	Problems and maintenance of plant and animal resources	Identifying problems with plant and animal resources and methods of their maintenance	2	12
person -In tests	person -In lectures	Forest resources in the Arab world	Identifying forest resources in the Arab world	2	13
person -In tests	person -In lectures	Geographical distribution of forests	Identifying the geographical distribution of forests in the Arab world	2	14
person -In tests	person -In lectures	Timber and industry	Statement on the importance of wood in industry	2	15
person -In tests	person -In lectures	The economic importance of forests and food	Explaining the importance economic of forests and food	2	16
Spring break					
person -In tests	person -In lectures	Food security problem	Introducing students to the problem of food security and its repercussions	2	17
person -In tests	person -In lectures	The concept of food security	Clarifying the concept of food security and its dimensions	2	18
person -In tests	person -In lectures	Arab agricultural	Identifying Arab	2	19

tests	lectures	resources	agricultural resources		
person -In tests	person -In lectures	The food problem	Explaining the nutritional problem and its causes	2	20
person -In tests	person -In lectures	Requirements for achieving food security	Identifying the requirements for achieving Arab food security	2	21
person -In tests	person -In lectures	Water resources and land and water distribution	Identifying water resources and the distribution of land and water	2	22
person -In tests	person -In lectures	Classification of resources water and their importance	Clarifying the classification of water resources and their importance	2	23
person -In tests	person -In lectures	Requirements for achieving water security	Identifying the requirements for achieving Arab water security	2	24
person -In tests	person -In lectures	The atmosphere, its components, and wind energy	Introducing students atmosphere, its to the components, and .wind energy	2	25
person -In tests	person -In lectures	Solar energy and resource maintenance methods	Understanding solar energy resources and methods of maintaining them	2	26
person -In tests	person -In lectures	Mineral resources and stages of mineral activity	Identifying mineral resources and stages of mineral activity	2	27
person -In tests	person -In lectures	Methods of metals detecting	Explanation of methods for detecting metals	2	28
person -In tests	person -In lectures	Applied studies of minerals	Presentation of applied studies of selected minerals	2	29
person -In tests	person -In lectures	resources Mineral in the Arab world: a general overview	General review and identification of mineral resources in the Arab world	2	30
—	—	—	Final exams	—	—

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows

exam marks for the written 20

-of-marks for daily work, distributed between daily tests or reports; 50 marks for the end 5

.year exam	
Learning and teaching resources .12	
Textbook/Foundations of Natural Resource -Al Geography, Prof. Dr. Muhammad Azhar Sammak, 2012	Sources : Main references
Jubouri, Natural -Salam Hatif Ahmed Al Resources, 2nd ed., 2016	Recommended supporting books and references (scientific journals,
The Iraqi Academic Journals website (iasj) and the Arabic Encyclopedia(wiikipedia)	Electronic references, websites

Course Name .1
English Language/ Level Three
Course Code .2
Term/Year .3
Annual course
Date this description was prepared .4
18/9/2025
Available attendance formats .5
Total number of study hours / Total number of units .6
60
(Name of the course coordinator (if there is more than one, mention it .7
Assistant Professor: Sahar Azzam Naama Hamad ahabd@tu.edu.iq
Course Objectives .8
9- Its aim is to strengthen students' learning to use English as a foreign language in order to help them enrich their knowledge and understanding of terms and phrases and strengthening). Also, learning English helps them their four skills (reading, writing, speaking and listening).to communicate with different people around the world
10-.Teaching the student how to use English grammar rules in conversation
11-f Teaching students verbs (present, past, present continuous, and past continuous), the use of adjectives and adverbs, how to ask questions using verbs, and the use of question words
12-Students in the History Department become familiar with the rules, principles, concepts, curriculum vocabulary, and meanings of the English language according to the prescribed
Teaching and learning strategies .9
strategy

Course outcomes, teaching and learning methods, and assessment .10

- Cognitive objectives
 - 5- .To be able to understand the material and use blended learning
 - 6- .English in some everyday situations To be able to understand conversation in
 - 5- .Knowledge and understanding of the study subjects
- .based objectives of the course-The skills
 - 7- The student acquires the necessary skills at the level of the required method to .accomplish it
 - 8- .required intellectual and cognitive skills The student acquires the
 - 9- .He participates in discussions and dialogues using English vocabulary
- Teaching and learning methods

Teaching methods (lecture, discussion, observation, listening) and others, as well as the use of playing, -learning and modern teaching methods (brainstorming, active learning, role blended learning using -learning program and e-solving), modern educational technology, self-problem .multimedia technology via the Internet
- Assessment methods

.exams, monthly exams, quarterly reports for theoretical material Daily exams, oral -1

 - 6- .Additional marks are allocated for classroom and extracurricular activities
- based objectives-Affective and value
 - 11-daily and Developing students' awareness of the importance of the English language in .academic life
 - 12-.The ability to analyze, deduce, evaluate, and make judgments
 - 13-.Contributing to the intellectual, personal, and professional development of the student
 - 14-English To promote and develop the student's positive attitude towards learning the .language
 - 15-.Developing the student's awareness of foreign culture
- Teaching and learning methods
 - 5- Curricula for teaching innovation and knowledge of the rules and principles of the .English language
 - 6- .dia technologyAdopting blended learning through the use of multime
- Assessment methods
 - 13-.Written and oral tests
 - 14-.Training students to use modern teaching methods and techniques
 - 15-.Students are assigned to conduct research related to the fields of English language
 - 16-elated to employability and personal General and transferable skills (other skills r .(development
 - 17-Using the curricula of similar departments in other colleges where English is part of the .curriculum
 - 18-visual) presentation media that use the English -Communication with external (audio .language

.10 Course Structure

Evaluation Method	Teaching method	Learning outcomes	Unit/Topic Name	Hours	Week
written Oral and tests and assignments	Lecture, collaborative learning, discussion	Unit 1 It's a wonderful world	am /are / is What's this in English Numbers 1-10 Plurals Good morning!	2	1

Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 2 Get happy	Countries Questions Adjectives Numbers 11-30	2	2
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 3 Telling tales	Jobs Is / isn't Questions & Negatives Vocabulary	2	3
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 4 Doing the right thing	Possessive's my/our/her Has/have The family	2	4
	monthly exam		exam monthly	2	5
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 5 The way I live	Sports / Food / Drink Present simple How much is it?	2	6
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 6 On the move	The time Present simple Prepositions: in, at, on Words that go together Days of the week	2	7
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 7 I just love it	Questions Pronouns me/him Possessive adjectives my/mine This/that Can I	2	8
	monthly exam		monthly exam	2	9
written Oral and tests and assignments	Lecture, collaborative learning, discussion	Unit 8 Where I live	Room & furniture There is / there are Prepositions on / under / next to directions	2	10
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 9 Times past	Saying years Was / were Past simple Have/do/go Months & dates	2	11
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 10 We had a great time!	Regular verbs Making questions Sports & leisure activities Going sightseeing	2	12
Oral and written tests and	Lecture, collaborative	Unit 11 I can do that!	Can/can't Adverbs	2	13

assignments	learning, discussion		Requests & offers Adjectives + nouns		
	monthly exam		monthly exam	2	14
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 12 Please and thank you	Some/any I'd like a.... Offering things Food	2	15
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 13 Here & now	Colours & clothes Present continuous Opposite verbs What's the matter?	2	16
Oral and written tests and assignments	Lecture, collaborative learning, discussion	Unit 14 It's time to go	Future plan Grammar revision Vocabulary revision Social expression	2	17
	monthly exam		monthly exam	2	18
		a lecture	General review of the material	2	19

.10 Infrastructure

* New Headway Plus Beginner-Intermediate Students Book. * New Headway Plus Beginner-Intermediate Students workbook.	Required textbooks .1
• matter instructors for each course-Archived lectures by subject	Main references .2 (sources)
• and curriculum prescribed by the Scientific Textbooks .Committee and the Academic Accreditation Committee	a) Recommended) books and references scientific journals, (.reports, etc
https://elt.oup.com/student/headway/beg/test	b) Electronic ...references, websites

:Course Name .1
Geographic Information Systems
Course Code .2
444GG I
Term/Year .3
2026 – 2025
Date this description was prepared .4
2025/9/18
Available attendance formats .5
person lectures-In
Total number of study hours / Total number of units .6

hours / 4 units 60					
(Name of the course coordinator (if there is more than one, mention it .7					
:Najdi Email-Name: Dr. Farah Abdulqader Falih Rahim Al farah.falih.872@tu.edu.iq					
Course Objectives .8					
<ul style="list-style-type: none"> Documenting the student's ability in Geographic Information Systems and introducing the student to geographic systems and their uses in geography Introducing the student to some geographic systems and drawing up an integrated strategy for analyzing them and increasing the student's ability to apply geographic information systems Developing students' abilities in spatial analysis methods in Geographic Information Systems (GIS). Qualifying specialists Geographers in the fields of GIS, remote sensing and their applications through a comprehensive scientific curriculum that combines theoretical and applied aspects according to the actual needs of the labor market Training employees in governmental, private and academic institutions working in related fields and enabling their capabilities through organizing and implementing training courses in the fields of geographic information systems, remote sensing and their applications Contributing to the promotion of the use of geographic information systems (GIS) and remote sensing technologies and their applications for various purposes in the Arabian Gulf region 					Course objectives
Teaching and Learning Strategies .9					
person lectures-In - Using geographical techniques as a method of asking questions - of students Using brainstorming to develop students' skills - The method of discussing the details of the lecture topic within - the classroom Weekly assignments					strategy
Course StructureCo .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Elements, components, functions, and benefits of Geographic Information Systems (GIS)	Chapter One: The Concept and Development of Geographic Information Systems	2	October
person -In	person -In	Data structure in	Chapter Two:	2	October

tests	lectures	linear and area models	Data Structure and Representation Methods in Geographic Information Systems		
person-In tests	person-In lectures	metadata	s Triangle network data structure	2	October
person-In tests	person -In lectures	-Spatial data; non spatial data; temporal data	Chapter Three: Types of Data and Information and Their Sources in Geographic Information Systems	2	November
person -In tests	person -In lectures	Linear data sources; area data sources; triangular grid data sources	Spatial data sources in geographic information systems	2	November
person -In tests	person -In lectures	sources Primary Secondary sources Maps of all types Aerial photos	Spatial data sources in geographic information systems	2	November
person -In tests	person -In lectures	satellite images The global cosmic order	Spatial data sources in geographic information systems	2	November
person -In tests	person -In lectures	Field studies and temporal data sources	spatial data -Non sources	2	December
person -In tests	person -In lectures	- The concept of spatial and descriptive data entry - Evaluation criteria	Chapter Four: Inputting Spatial and Descriptive Data into Geographic Information Systems	2	December
person -In tests	person -In lectures	- Spatial data entry using a numbering device - screen -On numbering	Methods of inputting spatial data into the computer	2	December

		method			
person -In tests	person -In lectures	- The concept of a geographic database - The purpose of the geographic database	:Chapter Five Geographic Databases	2	December
person -In tests	erson p-In lectures	The need for geographic databases in geographic information systems	Geographic Database Design Requirements	2	December
person -In tests	person -In lectures	Geographic Database Stages	Designing a geographic database	2	December
person -In tests	person -In lectures	Descriptive tables data –	Components of a geographic database	2	January
person -In tests	person -In lectures	Hierarchical structure of a geographic database	Geographic Database Structure	2	January
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	The relational tabular structure of a geographic database	The network structure of the geographic database	2	February
person -In tests	person -In lectures	Spatial analysis of linear data	Chapter Six: Spatial Analysis of Data in Geographic Information Systems	2	February
person -In tests	person -In lectures	Types of topological conformity	Topological conformity	2	February
person -In tests	person -In lectures	Digital elevation model and its applications	Spatial analysis in the surveying cellular)) system	2	March
person -In tests	person -In lectures	applied	Methods for building a digital	2	March

			elevation model		
person -In tests	person -In lectures	Regular network structure	Regular grid structure and irregular triangle network	2	March
person -In tests	person -In lectures	Extrapolating data from the digital elevation model	Irregular Triangles Network Structure	2	March
person -In tests	person -In lectures	-Practical Applied	Chapter Seven: Practical Applications in Geographic Information Systems	2	March
person -In tests	person -In lectures		Revision and review	2	April
person -In tests	person -In lectures		Revision and review	2	April
person -In tests	person -In lectures		Revision and review	2	April
person -In tests	person -In lectures		Revision and review	2	April
person -In tests	person -In lectures		Revision and review	2	Metis
person -In tests	person -In lectures		Revision and review	2	Mays
person -In tests	person -In lectures		Revision and review	2	Mays
Final exams					May 25
Course Evaluation .11					
<p>as The grade out of 100 is distributed according to the tasks assigned to the student, such .daily preparation, daily, oral, monthly, and written exams, reports, etc :marks for the annual coursework, with 25 marks for each semester, divided as follows 50 marks for the written exam 20 lectures, daily exams, and person-Five marks are allocated for daily attendance in in .reports .year exam, for a total of (100) marks-of-marks for the end 50</p>					
Learning and teaching resources .12					
All the required textbooks for the subject, .ones especially the more recent			Required textbooks (methodology, if (applicable		
Geographic Information Systems -1 Principles and Applications) book by Ali) Azzawi, 2009, University of -Abdul Abbas Al .Mosul			(Main references (sources		

modern sources, including I recommend using ."the book "Geographic Information Systems In addition to all applied studies and scientific research published in academic and applied scientific journals that are related to the .subject matter	Recommended supporting books and (...references (scientific journals, reports
All studies published on websites that are related to the vocabulary of Geographic .Information Systems https://kgug.org/2	Electronic references, websites

Course Name .1	
Measurement and evaluation	
Course Code .2	
457GGS	
Year / Term .3	
2026-2025	
Date this description was prepared .4	
2025/9/18	
Available attendance formats .5	
person lectures-In	
units number of Total / number of study hours Total .6	
hours / 4 units 60	
(if there is more than one, mention it) Name of the course coordinator .7	
: Email M. Amna Ali Ahmed Sharqi : Name asharqy@tu.edu.iq	
Course Objectives .8	
<p>1- Cognitive objectives</p> <p>should become familiar with the concepts of The student -1 .measurement, evaluation, and testing</p> <p>The student should become familiar with the general and specific -2 .educational objectives in the field of geography</p> <p>methods such as The student should become familiar with testing -3 .the school report card and the cumulative record</p> <p>specific skills objectives-b) Program</p> <p>The student should be able to formulate and write all types of -1 .essay and objective tests</p> <p>culty index The student should be able to extract the ease and diffi -2 .and the discrimination index for the test items</p> <p>The student should be able to design the test map and use it in -3 .writing questions</p>	Course objectives
Teaching and learning strategies .9	
Active learning strategy	strategy
Standard method / Lecture delivery	

.Text method-
The descriptive, analytical, and inductive methods
.solving method-Problem -

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
Classroom performance and exams	Discussion, questioning, and presentation	An overview of the development of assessment and measurement		2	1
Classroom performance and exams	Discussion, questioning, and presentation	Concepts of evaluation, measurement, testing, and the relationship between them		2	2
Classroom performance and exams	Discussion, questioning, and presentation	The importance of assessment and measurement in the educational process		2	3
Classroom performance and exams	Discussion, questioning, and presentation	Types of educational assessment		2	4
Classroom performance and exams	Discussion, questioning, and presentation	Types of educational assessment		2	5
Classroom performance and exams	Discussion, questioning, and presentation	Achievement tests		2	6
Classroom performance and exams	Discussion, questioning and presentation	Test map		2	7

Classroom performance and exams	Discussion, questioning, and presentation	Essay tests		2	8
Classroom performance and exams	Discussion, questioning, and presentation	-Short answer tests		2	9
Classroom performance and exams	Discussion, questioning, and presentation	Performance tests		2	10
Classroom performance and exams	Discussion, questioning, and presentation	Objective tests		2	11
Classroom performance and exams	Discussion, questioning, and presentation	Objective tests		2	12
Classroom performance and exams	Discussion, questioning, and presentation	Analyzing and improving test items		2	13
Classroom performance and exams	Discussion, questioning, and presentation	Statistical analysis		2	14
Classroom performance and exams	Discussion, questioning, and presentation	Ease of use factor		2	15
Classroom performance and exams	Discussion, questioning, and presentation	Good test specifications		2	16
Classroom performance and exams	Discussion, questioning, and presentation	Types of truth		2	17
classroom performance		application		2	18
Classroom performance and exams		application		2	19
Classroom performance		application		2	20

e and exams					
Classroom performance and exams		application		2	21
Classroom performance and exams		application		2	22
Classroom performance and exams	Discussion, questioning, and presentation	Steadfastness		2	23
Classroom performance and exams	Discussion, questioning, and presentation	Objectivity and comprehensiveness		2	24
Classroom performance and exams	Discussion, questioning, and presentation	Improving testing and assessment methods		2	25
_____		General review		2	26
		Final exams			27

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as follows:
 50 marks for the written exam
 20 marks for the daily work, distributed between daily exams or reports
 5 year exam-of-marks end 50

resources Learning and teaching .12

Assessment and Measurement in Education and Psychology, Sami Melhem. 2000	Required textbooks (methodology, if applicable)
Assessment and Measurement in Education and Psychology, Sami Melhem. 2000	(Main references (sources
Accessing all the latest research published in reviewed scientific journals-peer	supporting books and Recommended (...references (scientific journals, reports
http://www.alkutubcafe.com/book/83rjar.html	Electronic references, websites

Course Name .1

Department of Geography / Geography of Seas and Oceans

Course Code .2

445 G PG

Year / Term .3

2026-2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
hours / 4 units 60					
(if there is more than one, mention it) Name of the course coordinator .7					
Name: M.M. Muhammad Salam Yusuf					
:Email mohammed.yousif819@tu.edu.iq					
Course Objectives .8					
to understand marine and ocean science Developing students' ability -A				Course objectives	
<ul style="list-style-type: none"> - Helping students distinguish between seas and oceans - the ability to identify important ocean locations - Developing the ability to identify important sea locations - Distinguishing between seas, oceans, and areas, knowing the types of open and closed seas, the important origin of .oriessea formation, and important the 					
Teaching and learning strategies .9					
. learning skills Using brainstorming to develop - exchanging ‘ based approach in lectures-discussion Adopting a - opinions, and employing different teaching methods depending the appropriate method required to on the type of topic and .deliver the material Using chronological methods in the development of water .bodies and the origin of their formation				strategy	
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person tests-In	person -In lectures	Chapter One Definition / of the Ocean Ocean concept	Chapter 1: Introduction to the Concept of Oceanography	2	1
person tests-In	person -In lectures	Definition of the sea and the concept of the sea	Understanding the importance of marine and oceanographic science from both theoretical and practical perspectives	2	2
person tests-In	person -In	Factors	Identifying the	2	3

	lectures	affecting seas and oceans	most important oceans		
person tests-In	person -In lectures	Identifying ocean areas	Identifying the most important oceans	2	4
person tests-In	person -In lectures	Pacific Ocean	Identifying the most important oceans	2	5
person tests-In	person -In lectures	Atlantic Ocean	Identifying the most important oceans	2	6
person tests-In	person -In lectures	Indian Ocean	Identifying the most important oceans	2	7
person tests-In	person -In lectures	Mediterranean Sea	Identifying the most important seas	2	8
person tests-In	person -In lectures	Red Sea	Identifying the most important seas	2	9
person tests-In	person -In lectures	Continental drift theory	Theories about the formation of seas and oceans	2	10
tests person-In	person -In lectures	Cosmological Theory	Theories about the formation of seas and oceans	2	11
person tests-In	person -In lectures	lunar gravitational theory	Theories about the formation of seas and oceans	2	12
person tests-In	person -In lectures	Theory of the Origin of the Earth's Formation	Theories about the formation of seas and oceans	2	13
person tests-In	person -In lectures	Water starting point	The water cycle in nature	2	14
person tests-In	person -In lectures	The best starting point for water in the universe	The water cycle in nature	2	15
2026 - 2/2 -Spring break 18/1					
person tests-In	person -In	First Ice Age	about the Learning	2	1

	lectures		Ice Ages		
person tests-In	person -In lectures	Ice Age II	Learning about the Ice Ages	2	2
person tests-In	person -In lectures	Ice Age III	Learning about the Ice Ages	2	3
person tests-In	person -In lectures	Ice Age 4	Learning about the Ages Ice	2	4
person tests-In	person -In lectures	The spread of the ice and how it was done	Learning about the Ice Ages	2	5
person tests-In	person -In lectures	rocky pavement	Types of sea piers	2	6
person tests-In	person -In lectures	Ice pavement	piers Types of sea	2	7
person tests-In	person -In lectures	sandy pavement	Types of sea piers	2	8
person tests-In	person -In lectures	Given the increasing demand for land and housing	The importance of future seas	2	9
person tests-In	person -In lectures	Strategic importance	importance of The future seas	2	10
person tests-In	person -In lectures	Military importance	The importance of future seas	2	11
person tests-In	person -In lectures	Commercial importance	The importance of future seas	2	12
person tests-In	person -In lectures			2	13
person tests-In	immanence	Economic, political, and military importance	Sea classifications by importance	2	14
person tests-In	immanence	Examples of weather maps		2	15
			Final exams	—	May 3, 4

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows
marks for the written exam 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12	
Oceanography -	Required textbooks (methodology, if applicable)
Mohsen Hamad Ibrahim, Geography of Seas and Oceans and their Properties: A Natural Study Mohammed Hassan Hussein, Hydrology: Its Fundamentals and Applications, First Edition, Dar .Dijla Publishing, Amman, Jordan, 2017	(Main references (sources
The comprehensive electronic magazinemecs Studies Journal of Scientific and Geographical House of Geographical Thought in Damascus Weather research centers and NASA	Recommended supporting books and references (scientific journals, (...reports
Wayback Machine http://bu.edu eg/staff/azzaabdallah9 http://bu.edu eg/staff/azzaabdallah9	Electronic references, websites

Course Name .1	
Social Geography	
Course Code .2	
nr5tnkx	
Term/Year .3	
202 6 - 202 5	
Date this description was prepared .4	
2025/9/18	
attendance formats Available .5	
person lectures-In	
Total number of study hours / Total number of units .6	
hours / 4 units 60	
(Name of the course coordinator (if there is more than one, mention it .7	
:Name: M.M. Ruwaida Saad Jaber EmailrSaad@tu.edu.iq	
Objectives Course .8	
Introducing the content and philosophy of social -A geography and deepening the knowledge of graduating .students about it To provide students with knowledge and ideas on -B obtaining social identifying the most important sources for geographic data, including data available in books and .references related to the subject Enabling students to understand the basic rules of social -C geography in solving problems and interpreting differences . nademographic phenome social in	Course objectives
Teaching and learning strategies .9	
.Using brainstorming to develop skills - The discussion method in the daily lecture inside the - .classroom	strategy
Course Structure .10	

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One The / Emergence of Social Geography	Understanding the emergence of social geography	2	3 September
person -In tests	person -In lectures	The evolution of the concept and definition of social geography	Understanding the concept and definition of social geography	2	September 4
person -In tests	person -In lectures	The evolution of social geography	Understanding the developments that have occurred in social geography	2	1 October
person -In tests	person -In lectures	The relationship of social geography to branches of geography	Understanding the relationship between social geography and other branches of geography	2	2 October
person -In tests	person -In lectures	The relationship of social geography to other sciences	Understanding the existing relationship between social geography and other different sciences	2	October3
person -In tests	person -In lectures	The relationship between social geography and sociology	Understanding the close relationship between social geography and sociology	2	4 October
person -In tests	person -In lectures	The relationship between social geography and population geography	Understanding the important relationship between social geography and population geography	2	1 November
person -In tests	person -In lectures	Chapter Two/Social	Identifying the most important	2	2 November

		Geography Topics	topics in social geography		
person -In tests	person -In lectures	The importance of social geography	Understanding the importance of social geography	2	3 November
person -In tests	person -In lectures	Uses of social geography	The most important uses of social geography	2	4 November
person -In tests	person -In lectures	Objectives of social geography	Identifying the objectives of social geography	2	1 December
person -In tests	person -In lectures	Social geography and its differences with ecology	The difference between social geography and social ecology	2	2 December
person -In tests	person -In lectures	Definition of civilization	The concept and definition of civilization in geography social	2	3 December
person -In tests	person -In lectures	The development of civilization	Understanding the major revolutions in human history	2	4 December
person -In tests	person -In lectures	Types of civilizations	Understanding the types of ancient civilizations, both simple and complex	2	1 January
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	The origin and evolution of man	Understanding the origins of humankind and its historical development	2	4 January
person -In tests	person -In lectures	Lineage and its definition	Identifying and defining human races	2	February 1
person -In tests	person -In lectures	Types of human groups	Identifying the different types of human groups Europeans,) Indians, Africans, (and Americans	2	2 February
person -In tests	person -In lectures	The original homeland of the	Identifying the homeland of the indigenous people	2	3 February

		population			
person -In tests	person -In lectures	Factors affecting population distribution	Identifying the most important factors affecting the geographical distribution of the population	2	4 February
person -In tests	person -In lectures	General population density	Identifying population densities	2	1 March
person -In tests	person -In lectures	Population distribution regions	Identifying population distribution regions in the world	2	2 March
person -In tests	person -In lectures	The lifestyle of the inhabitants	The way in which ancient humans lived (simple societies and complex pastoral societies)	2	3 March
person -In tests	person -In lectures	farming methods	Understanding the farming methods of ancient inhabitants	2	4 March
person -In tests	person -In lectures	primitive agriculture	Understanding the primitive farming methods of ancient inhabitants	2	1 April
person -In tests	person -In lectures	Commercial Scientific Farms	Identifying the characteristics of commercial scientific farms	2	2 April
person -In tests	person -In lectures	industrial societies	Identifying the most important industrial societies	2	3 April
person -In tests	person -In lectures	Arab world societies	Understanding the societies of the Arab world (pastoral, industrial, agricultural and mining)	2	4 April
person -In tests	person -In lectures	mixed farming	Learn about mixed farming methods	2	1 May
person -In tests	person -In lectures	industrialized societies	Identifying the most important industrialized nations (the United States, Japan, and Western European	2	2 May

		(countries		
		Final exams	___	4 , 3 May
Evaluation Course .11				
marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows				
marks for the written exam 20				
marks for the daily work, distributed between daily exams or reports 5				
year exam-of-marks end 50				
teaching resources Learning and .12				
.Studies in social geography -		Required textbooks (methodology, if (applicable		
Yousra El Gohary, Social Geography, - Department of Geography, Minia Egyptian Library-University, Anglo -Ghallab, Yousry El Sayed-Mohamed El - Gohary, Urban Geography, Alexandria 1972		(Main references (sources		
All modern Arabic and foreign books and sources that fall within the field of social .geography		Recommended supporting books and (...references (scientific journals, reports		
https://www.merefa2000.com/2021/12/blog-post_6.html?m=1		references, websites Electronic		

Course Name .1	
Geography of Services	
Course Code .2	
GSG 456	
Year / Term .3	
2025-2025	
Date this description was prepared .4	
18/9/2025	
Available attendance formats .5	
person lectures-In	
units number of Total / number of study hours Total .6	
/ hours 604 units	
(if there is more than one, mention it) Name of the course coordinator .7	
: Email Dr. Ruwaida Fouad Abdullah : Namerfouad@tu.edu.iq	
Course Objectives .8	
To familiarize students with the importance of the services -1 sector and its relationship to geography, and to reveal the basic .it justifications for studying	Course objectives
Preparing specialized scientific personnel to study this -2 sector, understand its problems, and qualify them to perform .this scientific role	
Developing students' capabilities and enhancing their -3	

s vital sector scientific potential in engaging in the study of thi
 .to achieve the general benefit of the complex
 Urging researchers and academics to pay attention to this -4
 scientific branch and give it more importance in study and
 . research

Teaching and learning strategies .9

.brainstorming to develop skills Using - strategy
 inside the The discussion method in the daily lecture -
 . classroom

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Geography of its -services concept and importance	Understanding the of service concept geography and its importance	2	3 September
person -In tests	person -In lectures	Geography and Services Studies	Understanding geography and studying services	2	September4
person -In tests	person -In lectures	Services and urban geography	Understanding the relationship between services and urban geography	2	1 October
person -In tests	person -In lectures	The concept of services has evolved	Understanding the evolution of the concept of services	2	2 October
person -In tests	person -In lectures	The importance of services in cities and urban centers	Understanding the importance of services in cities and urban centers	2	October3
person -In tests	person -In lectures	The nature of urban services in cities	Understanding the nature of urban services in cities	2	4 October
person -In tests	person -In lectures	Service Classification	Understanding the classification of services	2	1 November
person -In tests	person -In lectures	Localization of services	the Identifying services localization of	2	2 November
person -In tests	person -In lectures	Service planning	Understanding service planning	2	3 November
person -In tests	person -In lectures	Spatial levels of planning service	Identifying the spatial levels of service planning	2	4 November
person -In tests	person -In lectures	Service planning methodology	Understanding the service planning methodology	2	1 December
person -In tests	person -In lectures	Service planning	Understanding the	2	2 December

tests	lectures	stages	stages of service planning		
person -In tests	person -In lectures	Problems hindering service planning	Identifying the problems hindering service planning	2	3 December
person -In tests	person -In lectures	Service characteristics and evaluation	Identifying and evaluating service characteristics	2	4 December
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	The importance of characteristics in service signing	Recognizing the importance of characteristics in service signing	2	3 January
person -In tests	person -In lectures	Service localization patterns and their components	Identifying service localization patterns and their components	2	4 January
person -In tests	person -In lectures	Earth (natural) systems and their relationship to the city and the provision of services	Understanding the Earth (natural) systems to and their relationship the city and the provision of services	2	February1
person -In tests	person -In lectures	Human systems and their relationship to the city and the provision of services	Understanding human systems and their relationship to the city ision of and the prov services	2	2 February
person -In tests	person -In lectures	Basic services - map (its concept its -its objectives (importance	Understanding the basic services map (its concept, objectives, (and importance	2	3 February
person -In tests	person -In lectures	Service Standards planning	the criteria Identifying Service planning	2	4 February
person -In tests	person -In lectures	The fundamental principles for setting urban planning standards	the Identifying fundamental principles for setting urban planning standards	2	1 March
person -In tests	person -In lectures	Conditions for setting urban planning standards	Understanding the requirements for preparing urban planning standards	2	2 March
person -In tests	person -In lectures	Factors influencing the determination of urban planning standards	Identifying the factors that influence the determination of urban planning standards	2	3 March

person -In tests	person -In lectures	Services and Sustainable Development	services Identifying and sustainable development	2	4 March
person-In tests	person -In lectures	Urban development and service delivery methods	urban Understanding development and service delivery methods	2	1 April
person -In tests	person -In lectures	Urban service delivery standards in Iraq	standards Identifying for providing urban services in Iraq	2	2 April
person -In tests	person -In lectures	Some concepts of spatial organization of services	some Understanding concepts of spatial organization of services	2	3 April
person -In tests	person -In lectures	Community services	Learn about community services	2	4 April
person -In tests	person-In lectures	Health and recreational services	health and Learn about recreational services	2	1 May
person-In tests	- In person lectures	Infrastructure services	Identifying infrastructure services	2	2 May
			Final exams	—	4 , 3 May

Course Evaluation .11

semester, divided as marks for the annual coursework, with 25 marks allocated for each 50 :follows
marks for the written exam 20
marks for the daily work, distributed between daily exams or reports 5
year exam-of-marks end 50

Learning and teaching resources .12

of Services / Dr. Fouad Geography - 2013 -Ghadban Principles and of services Geography - Dr. Mazen Abdul Rahman / Concepts 2013	Required textbooks (methodology, if (applicable
Geography of Services / Dr. Bashir - Taif and others-Ibrahim Al Geography of Services / Dr. Khalid Amour Mohammed Bin	(Main references (sources
. research on services student Graduate - . research on services Faculty	Recommended supporting books and (...references (scientific journals, reports
nothing	Electronic references, websites

Course Name .1

Geography of the Arab World

Code Course .2

453GRP

Year / Term .3					
2026-2025					
Date this description was prepared .4					
2025/9/18					
Available attendance formats .5					
person lectures-In					
units number of Total / number of study hours Total .6					
60Hour / 4 units					
(if there is more than one, mention it) Name of the course coordinator .7					
: Email Dr. Salam Saud Hussein : Name Salam.s@tu.edu.iq					
Course Objectives .8					
1- the Developing students' ability to understand characteristics and problems of the subject of Arab world -geography, its causes and solutions within the real .environment 2- Students will gain knowledge and understanding of the most important sources of geographical data for the Arab world, .data that is available including 3- To enable students to understand the basic principles of the subject of Arab geography and to activate its role in .developing it on the ground					Course objectives
Teaching and learning strategies .9					
.develop skills Using mental classroom techniques to - . inside the classroom The discussion method in the daily lecture -					strategy
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	The natural geography of the Arab world	Getting acquainted the geography with Arab world of the	2	September
person -In tests	person -In lectures	Spatial characteristics	Identifying spatial characteristics	2	1 October
person -In tests	person -In lectures	Topographical character	Identifying the topographical personality	2	2 October
person -In tests	person -In lectures	Biogeography	Introduction to Biogeography	2	October3

person -In tests	person -In lectures	climate	Climate awareness	2	4 October
person -In tests	person -In lectures	natural plant	Identifying natural plants	2	1 November
person -In tests	person -In lectures	Water resources	Identifying water resources	2	2 November
person -In tests	person -In lectures	Economic Geography of the Arab World	Understanding the economic geography of the Arab world	2	3 November
person -In tests	person -In lectures	Geography of agricultural production	Understanding the Geography of Agricultural Production	2	4 November
person -In tests	person -In lectures	Agricultural resource energies	Identifying agricultural resource capacities	2	1 December
person -In tests	person -In lectures	Analyzing the food problem	Understanding the analysis of the nutritional problem	2	2 December
person -In tests	person -In lectures	Future features of the food security problem	Identifying the future features of the food security problem	2	3 December
person -In tests	person -In lectures	Geography of Mining Production	Understanding the geography of mining production	2	4 December
person -In tests	person -In lectures	mineral resource energies	Identifying mineral resource energies	2	1 January
person -In tests	person -In lectures	Quantitative measurement of economic dependency indicators	Identifying a quantitative measure of economic dependency indicators	2	4 January
2026 - 2/2 - Spring break 18/1					
person -In tests	person -In lectures	Future prospects for mineral resources	Identifying the future features of mineral resources	2	February 1
person -In tests	person -In lectures	Geography of Industrial Activity	Understanding the geography of the Industrial activity	2	2 February

person -In tests	person -In lectures	General perception of industrial activity	Understanding the general perception of industrial activity	2	3 February
person -In tests	person -In lectures	Applied studies in the oil refining industry	Identifying applied studies in the oil refining industry	2	4 February
person -In tests	person -In lectures	Electric power industry	Understanding the electrical power industry	2	1 March
person -In tests	person -In lectures	Geography of Arab trade activity	Understanding the geography of Arab trade activity	2	2 March
person -In tests	person -In lectures	General characteristics of intra Arab trade	Identifying the general characteristics of Arab trade-intra	2	3 March
person -In tests	person -In lectures	Commodity composition and structure	Identifying commodity composition and structure	2	4 March
person -In tests	person -In lectures	International foreign trade	Understanding international foreign trade	2	1 April
person -In tests	person -In lectures	Arab foreign trade trends	Identifying Arab trends foreign trade	2	2 April
person -In tests	person -In lectures	Quantitative measurement of foreign trade	Understanding the quantitative measurement of foreign trade	2	3 April
person -In tests	person -In lectures	Conclusions	the Identifying conclusions	2	4 April
person -In tests	person -In lectures	Social Geography of the Arab World	the Understanding social geography of the Arab world	2	1 May
person -In tests	person -In lectures	Human Development Guide	the Understanding Human Development Guide	2	2 May
person -In tests	person -In lectures	Resources of wealth and economic performance	wealth Identifying resources and economic performance	2	4 , 3 May
			Final exams	—	

Course Evaluation .11	
marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows	
20Grade for the written exam	
marks for the daily work, distributed between daily exams or reports 5	
year exam-of-marks end 50	
resources Learning and teaching .12	
Geography of the Arab World (A Regional Study) by Professor Dr. Sammak-Muhammad Azhar Saeed Al	methodology, if) Required textbooks (applicable
Geography of the Arab World (A .Regional Study) by Professor Dr Sammak-Muhammad Azhar Saeed Al House of Books and Documents / Baghdad / 396 / for the year 2008	(sources) Main references
All geographical reports issued by governmental and international institutions and statistics, as well as local . and international journals	Recommended supporting books and (.etc ‘ reports ‘ scientific journals) references
https://horofar.com/%D8%A3%D9%87%D9%85%D9%8A%D8%A9-%D8%A7%D9%84%D9%85%D9%88%D9%82%D8%B9-%D8%A7%D9%84%D8%AC%D8%BA%D8%B1%D8%A7%D9%81%D9%8A-%D9%84%D9%84%D9%	websites ‘ Electronic references

Course Name .1
Geopolitics
Course Code .2
GMHIAH 337
Year / Term .3
2025-2025
description was prepared Date this .4
2025/9/18
Available attendance formats .5
person lectures-In
units number of Total / number of study hours Total .6
hours / 4 units 60
(if there is more than one, mention it) Name of the course coordinator .7
: Email Dr. Adel Taha Shallal .Prof : Name adel.taha@tu.edu.iq
Course Objectives .8

<p>Developing students' ability to understand the characteristics, (a within related problems-transportation causes, and solutions of . .world environment-a real</p> <p>To provide students with the knowledge and ideas to identify -B •aining geopolitical data the most important sources for obt and references related to the books available in including data .subject</p> <p>Enabling students to understand the basic principles of -C and to activate its role in developing it on political geography .the ground</p>	Course objectives
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learning strategies Teaching and .9

<p>.Using brainstorming to develop skills - inside the The discussion method in the daily lecture - . classroom</p>	strategy
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Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	The concept of political geography	Defining the objectives of geopolitics	2	1
person -In tests	person -In lectures	The emergence and development of political geography	Introducing the most important developments targeted by geopolitics in the world	2	2
person -In tests	person -In lectures	Geopolitics and Political Geography	A statement of the points of comparison between geopolitics and political geography	2	3
person -In tests	person -In lectures	The theoretical and applied importance of studying political geography	Analysis of the natural environment that influences the internal and external political life of countries	2	4
person -In tests	person -In lectures	Research methodologies in olitical geographyp	Defining the methodological patterns adopted by political geography	2	5
person -In tests	person -In lectures	The method of force analysis or the analytical method	Defining the importance of the aforementioned approach in the strength of the state	2	7

			and its military superiority		
person -In tests	person -In lectures	The concept of power in geopolitics	Understanding the elements of power in a state (land, population, and (authority	2	8
person -In tests	person -In lectures	power The concept of	Defining the importance of power and its contribution making-to decision	2	9
person -In tests	person -In lectures	Power patterns in the international community	Uncovering power patterns in the international community, such as unilateral, coalition, .and global power	2	10
person -In tests	person -In lectures	Locational characteristics from a geopolitical perspective	analyzing Statement the functional aspects of political regions in applied political geography	2	11
person -In tests	person -In lectures	spatial features	Revealing the importance of space in political geography and its icance for the signif political value of the state	2	12
person -In tests	person -In lectures	Topographical character	Uncovering the role of topographical and physiographic elements (terrain, climate, and natural resources) in determining state power	2	13
person -In tests	person -In lectures	Foundations of Biogeography	Identifying key biogeographical factors such as climate, natural vegetation, and water resources in determining a nation's power	2	14
person -In tests	person -In lectures	natural plant	Defining the importance of plant resources in the economic structure	2	15

			of the state		
person -In tests	person -In lectures	ic gross domestic product	A statement on the importance of Gross Domestic Product (GDP) in a country's) strength and .economic output	2	16
person -In tests	person -In lectures	agricultural resources	The importance of agricultural resources in determining a state's power according to geopolitical approaches	2	17
person -In tests	person -In lectures	Arab food security	Revealing the value security and of food the ability of a state or political region to -achieve self sufficiency in meeting the population's food .needs	2	18
person -In tests	person -In lectures	Agricultural resource energies	Highlighting the importance of available agricultural resources in achieving Arab national food -security and self sufficiency in many of its agricultural and food .requirements	2	19
person -In tests	person -In lectures	Analysis of the food problem (population growth and national (income	ment of the A state relationship between population growth and national income, known as general economic density or national income .density	2	20
person -In tests	person -In lectures	Arab food regions	Defining the patterns of Arab food regions (high nutrition, moderate nutrition, and poor (nutrition	2	21

person -In tests	person -In lectures	The current map of Arab food security	The importance of the current map of Arab food security as a key element for measuring the components of a balanced diet in the Arab country	2	22
person -In tests	person -In lectures	Future features of Arab food security	overview of A brief the future of the food economy in Arab countries	2	23
person -In tests	person -In lectures	strategic minerals	Identifying energy minerals at the heart of the global economic and political conflict	2	24
person -In tests	person -In lectures	globalization	Understanding the phenomenon of globalization in the development of contemporary international politics	2	25
person -In tests	person -In lectures	population growth	Defining the concept of population from a geopolitical perspective as the producers and consumers, the rulers and the ruled, of the people	2	26
person -In tests	person -In lectures	Human development from the perspective of sustainable development (the case (of the Arab world	Revealing the importance and role of human development in developing human capital, human resources, and social development	2	27
person -In tests	person -In lectures	The reality of human development in the Arab world (Human (Development Guide	Defining the Human Development Index as one of the basic components or pillars of the population, such as education, health, and income	2	28
person -In tests	person -In lectures	borders and boundaries	A statement of the points of	2	29

			comparison between the concepts of borders and frontiers and their impact on state policy and foreign relations		
person -In tests	person -In lectures	Methods of determining territorial waters	How to define territorial waters and methods of measuring them between countries in the world	2	30

Course Evaluation .11

marks allocated for each semester, divided as 25 marks for the annual coursework, with 50 : follows

for the written exam marks 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

Learning and teaching resources .12

• Samman-Muhammad Azhar Saeed Al - from a 21st Century Political Geography Amman, • Yazuri Library-Al Perspective .2000 • Jordan

methodology, if) Required textbooks (applicable

The Geopolitical Weight of the Arab Red -Sea States, by Muhammad Azhar Saeed Al 1989 • Samman

(sources) Main references

Izz, The -Din Abu al-Muhammad Safi al .1 Balance of Power in the Mediterranean Region, Beirut, 1979
Mutalibi, The Foreign -Nasif Jassim Al .2 Region and Presence in the Mediterranean its Impact on Arab National Security, .Baghdad, 1987

Recommended supporting books and • reports • scientific journals) references (.etc

<https://apps.who.int/iris/bitstream/handle/10665/329429/9789240006119-ara.pdf>

websites • Electronic references

Course Name .1

Geography of Iraq

Course Code .2

454 GSO

Term/Year .3

2026 – 2025

Date this description was prepared .4

2025/9/18

Available attendance formats .5					
person lectures-In					
Total number of study hours / Total number of units .6					
hours / 4 units 60					
(Name of the course coordinator (if there is more than one, mention it .7					
Name: Dr. Fatima Ibrahim Ta'ma :EmailFatimah.tuamah471@tu.edu.iq					
Objectives Course .8					
<ul style="list-style-type: none"> the geography of Iraq, including its location, regions, topography, importance, climate, resources, and population and signing Iraq map fee students Enabling On it cities places the data and The ease of collecting information they need in the future when preparing any research on a topic related to a specific aspect of Iraq's components, .whether natural or human 			Course objectives		
Teaching and learning strategies .9					
.person lectures-In - asking questions of the .students .Using brainstorming to develop skills - The method of discussing the details of the .lecture topic within the classroom Weekly assignments			strategy		
Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	The geographical location of Iraq	Identifying the geographical location of Iraq	2	September4
person -In tests	person -In lectures	The historical, economic political, and strategic importance of Iraq	Understanding the geographical importance of Iraq	2	October1
person -In tests	person -In lectures	Topography of Iraq	Knowledge of Iraq's topography	2	October2
person -In	person -In	Iraq's climate	Understanding	2	October3

tests	lectures		Iraq's climate		
person -In tests	person -In lectures	Types of climate in Iraq	Understanding the types of climate in Iraq	2	October4
person -In tests	person -In lectures	The impact of climate on agricultural ion in product Iraq	Defining the effects of climate on agricultural production	2	October1 second
person -In tests	person -In lectures	Soil in Iraq	Knowledge of soil and its properties	2	November2
person -In tests	person -In lectures	Natural vegetation in Iraq	Identifying the types of natural plants in Iraq	2	November3
person -In tests	person -In lectures	Iraqi population	Identifying the details of Iraq's population	2	November4
person -In tests	person -In lectures	Patterns of Iraqi society	Understanding the different patterns of Iraqi society	2	November5
person -In tests	person -In lectures	Immigration, its causes and solutions	Understanding the causes of migration and identifying ways to address them	2	December1
person -In tests	person -In lectures	Social structure in the Iraqi countryside	Understanding the social structure in rural Iraq	2	December2
person -In tests	person -In lectures	Cultural development in Iraq	Understanding the cultural developments taking place in Iraq	2	December3
person -In tests	person -In lectures	Health development in Iraq	Understanding the health developments taking place in Iraq	2	December4
person -In tests	person -In lectures	Social development in Iraq	Understanding the social developments taking place in Iraq	2	January1
person -In tests	person -In lectures	Economic - development	Understanding agricultural its activity and	2	January2

		Agriculture	impact on development		
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Water resources	Introducing Iraq's water resources	2	February1
person -In tests	person -In lectures	Livestock	Introducing Iraq's animal resources	2	February2
person -In tests	person -In lectures	mineral wealth	Introducing Iraq's mineral wealth	2	February3
person -In tests	person-In lectures	Industry in Iraq	Knowledge of the industries present in Iraq	2	February4
person -In tests	person -In lectures	Characteristics of industry in Iraq	Identifying the characteristics of the industry	2	March1
person -In tests	person -In lectures	Iraq's industrial potential	Understanding Iraq's industrial potential	2	March2
person -In tests	person -In lectures	Industry today: its types and distribution	Knowledge of modern industries, their types, and their distribution	2	3March
person -In tests	person-In lectures	Trade in Iraq	Identifying the prevailing trade in Iraq	2	March4
person -In tests	person -In lectures	Iraq's domestic trade	Knowledge of Iraq's internal trade	2	March5
person -In tests	person -In lectures	Iraq's foreign trade	Knowledge of Iraq's foreign trade	2	1April
person -In tests	person -In lectures	Transportation routes in Iraq	Information on transportation methods in Iraq	2	2April
person -In tests	person -In lectures	Land routes in Iraq	Identifying land routes in Iraq	2	April3
person -In tests	person -In lectures	Waterways in Iraq	Identifying waterways in Iraq	2	April4
person -In tests	person -In lectures	Air routes in Iraq	Identifying air routes in Iraq	2	May1
exams Final					May4.3
Course Evaluation .11					

according to the tasks assigned to the student, such as The grade out of 100 is distributed .daily preparation, daily, oral, monthly, and written exams, reports, etc :marks for the annual coursework, with 25 marks for each semester, divided as follows 50 marks for the written exam 20 .person lectures, daily exams, and reports-rks are allocated for daily attendance in inFive ma .year exam, for a total of (100) marks-of-marks for the end 50

Learning and teaching resources .12

textbooks for the subject, All the required .especially the more recent ones -Barazi, Khattab Sakar Al-Nouri Khalil Al - Kutub for -Ani, Geography of Iraq, Dar Al Printing and Publishing, University of Baghdad, .1985	Required textbooks (methodology, if (applicable
Natural Its –The Geography of Iraq - Its –Its Economic Activity –Framework -Human Aspect, by Professor Dr. Abbas Al Saadi (The textbook (Geography of Iraq -	(Main references (sources
I recommend adopting modern sources, Iraq -he book Lessons in Geography including t -Dr. Ali Al by The World -The Arab World - .Miyah and others In addition to all academic studies and scientific research published in academic scientific .journals that are related to the subject matter -Barazi, Khattab Sakar Al-Nouri Khalil Al - Kutub for -Ani, Geography of Iraq, Dar Al Printing and Publishing, University of Baghdad, .1985	Recommended supporting books and (...references (scientific journals, reports
All studies published on websites that are of Iraq related to the geographical vocabulary	Electronic references, websites

ameCourse N .1

Geographical thought

Course Code .2

449 G ME

Term/Year .3

2025-2026

Date this description was prepared .4

2025/9/18

Available attendance formats .5

person lectures-In

Total number of study hours / Total number of units .6

hours / 4 units 60

(Name of the course coordinator (if there is more than one, mention it .7

:Name: M.M. Ruwaida Saad Jaber EmailrSaad@tu.edu.iq

Course Objectives .8	
1- Informing female students about the development of geographical thought 2- female students to acquire geographical analysis Training .skills 3- Students acquire the skill of using the internet to search for course references 4- Developing students' skills in teamwork in scientific .research through periodic assignments	Course objectives

learning strategies Teaching and .9	
.Using brainstorming to develop skills - The discussion method in the daily lecture inside the - .classroom	strategy

Course Structure .10					
Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	person -In lectures	Chapter One The / Concept of Geographica l Thought	Understanding the concept of geographical thought	2	September 3
person -In tests	person-In lectures	Themes of Geographica l Thought	Identifying the axes of geographical thought	2	September 4
person -In tests	person -In lectures	Chapter Two / Geographica l Thought in Developing Geographica l Knowledge	Understanding geographical thought through the development of geographical knowledge	2	October 1
person -In tests	person -In lectures	The nature of geographical knowledge	the Understanding nature of geographical knowledge	2	October 2
person -In tests	person-In lectures	Geography and its relationship to fields of knowledge	Understanding geography and its relationship to fields of knowledge	2	October3
person -In tests	person -In lectures	Chapter Three / The Regional Concept	Understanding the concept of regionalism and	2	October 4
person -In tests	person -In lectures	Regional geography	Understanding regional geography	2	November 1
person -In tests	person -In lectures	Human Geography	Understanding human geography	2	November 2

person -In tests	person -In lectures	Physical Geography	Learning about physical geography	2	November 3
person -In tests	person -In lectures	Chapter Four / Geographical Thought in Ancient Iraqi Civilization	Understanding geographical thought in ancient Iraqi civilization	2	November 4
person -In tests	person -In lectures	Geographical thought in ancient Egyptian civilization	Understanding geographical thought in ancient Egyptian civilization	2	December 1
person -In tests	person -In lectures	Geographical thought in Phoenician civilization	Understanding geographical thought in Phoenician civilization	2	December 2
person -In tests	person -In lectures	Geographical thought in Chinese civilization	Understanding geographical thought in Chinese civilization	2	December 3
person -In tests	person -In lectures	Geographical thought in Indian civilization	Understanding geographical thought in Indian civilization	2	December 4
person -In tests	person -In lectures	Chapter Five: Geographical Thought in Greek Civilization	Understanding geographical thought in Greek civilization	2	January 1
2026 - 2/2 -Spring break 18/1					
person -In tests	person -In lectures	Geographical thought in Roman civilization	Understanding geographical thought in Roman civilization	2	January 4
person -In tests	person -In lectures	Chapter Six Arab / Geographical Thought	Understanding Arab geographical thought	2	February 1
person -In tests	person -In lectures	Chapter Seven / Arab Geographical Thought Before Islam	Understanding Arab geographical thought before Islam	2	February 2

person -In tests	person -In lectures	Chapter / Eight -Arab Islamic Geographical Thought	Understanding Islamic -Arab geographical thought	2	February 3
son per-In tests	person -In lectures	-Arab Islamic geographical thought up to the end of the Ottoman era	Understanding Islamic -Arab geographical thought up to the end of the Ottoman era	2	February 4
person -In tests	person -In lectures	Chapter Nine / Fields of Arab Geography	Identifying the fields of Arab geography	2	March 1
person -In tests	person -In lectures	Chapter Ten / Mathematical and Astronomical Geography I	Introduction to mathematical and astronomical geography	2	March 2
person -In tests	person -In lectures	Chapter Eleven / Descriptive Geography and Travel	Learning about descriptive geography and travel	2	March 3
person -In tests	person -In lectures	The emergence of cartography in Arab geography	Understanding the emergence of cartography in geography Arab	2	March 4
person -In tests	person -In lectures	Physical and human geography among Arab Muslim geographers and the impact of -Arab Islamic geography on the European Renaissance	Understanding the physical and human geography of Arab Muslim geographers and -the impact of Arab Islamic geography on the European Renaissance	2	April 1
person -In tests	person -In lectures	Geographical	Identifying	2	April 2

tests	lectures	1 discoveries	geographical discoveries		
person -In tests	person -In lectures	Chapter Twelve / The Discovery of Australia: Contemporary Geographical Thought	Understanding the Discovery of Australia: Contemporary Geographical Thought	2	April 3
person -In tests	person -In lectures	New trends in modern geography	Identifying new modern trends in geography	2	April 4
person -In tests	person -In lectures	Modern Geographical Schools	Getting acquainted with modern geographical schools	2	May 1
person -In tests	person -In lectures	Contemporary Geographical Concepts	Understanding contemporary geographical concepts	2	May 2
			Final exams	—	May 3, 4

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows
 exam marks for the written 20
 marks for the daily work, distributed between daily exams or reports 5
 year exam-of-marks end 50

Learning and teaching resources .12

- Abdul Khalil Fadil, Ibrahim Abdul Jabbar Geographical Thought, Mashhadani-Al .University of Mosul Press, 1992	Required textbooks (methodology, if (applicable
1- Sammak, -Muhammad Azhar Saeed Al Geographical Thought Between Cognitive Heritage and Geoinformatics 1- Omar, Articles on -Mudar Khalil Al 'Contemporary Geographical Thought .Central Press, University of Diyala, 2011 2- Sammak, The -Muhammad Azhar Al Development of Geographical Thought, First Edition, Dar Hanin for Publishing .and Distribution, 2011	(Main references (sources
2- Sammak, -Muhammad Azhar Saeed Al Geographical Thought Between Cognitive Heritage and Geoinformatics 3- Omar, Articles on -Mudar Khalil Al Contemporary Geographical Thought,	Recommended supporting books and (...references (scientific journals, reports

<p>.Central Press, University of Diyala, 2011</p> <p>4- Sammak, The -Muhammad Azhar Al Geographical Thought, Development of First Edition, Dar Hanin for Publishing .and Distribution, 2011</p> <p>Issa Ali Ibrahim, Geographical Thought and Geographical Discoveries, University .Knowledge House, 2000</p>	
<p>1- http://fikr.com</p> <p>2- http://www.3IIm.com/main/download.php .</p> <p>http://www.absba.info/pafile/pafiledb.php .</p>	Electronic references, websites

Course Name .1	
Transport Geography	
Course Code .2	
GPG445	
Year / Term .3	
2025-2026	
Date this description was prepared .4	
18/9/2026	
Available attendance formats .5	
person lectures-In	
units number of Total / number of study hours Total .6	
hours / 4 units 60	
(if there is more than one, mention it) Name of the course coordinator .7	
: Email Najdi-Dr. Farah Abdul Qader Falih Rahim Al : Name	
farah.falih872@tu.edu.iq	
.These are represented by the objectives of the course material : Course objectives .8	
<p>It aims to introduce students to the geography of transport in -1</p> <p>.relation to other sciences</p> <p>This course aims to cover the most important fundamental -2</p> <p>transport geography by identifying the various pillars of</p> <p>transport characteristics and functions that transport performs</p> <p>.in the world</p> <p>To introduce students to the impact of studying transport - 3</p> <p>geography and its effects on all human phenomena, and to</p> <p>effects on the population from an economic, social explain its</p> <p>.and environmental perspective</p> <p>Introducing students to the geographical differences of - 4</p> <p>transportation and studying its descriptive and applied aspects</p> <p>.compared to other geographical subjects</p> <p>ducing students to the fields of descriptive and Intro - 5</p> <p>analytical geographical research on transport geography from a</p>	Course objectives

.human and economic perspective in the world
 Developing students' ability to understand the - 6
 ositive effects characteristics of transport geography and its p
 . world on the overall economic and social life in the

Teaching and learning strategies .9

:specific skills objectives-Course - strategy
 To enable students to become familiar with topics related to - 1
 and the foundations upon the subject of transport geography
 .which the study is based
 Trying to link the vocabulary of the course material to the - 2
 .students' reality
 Qualifying students to become researchers in the field of - 3
 .transport geography

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Required learning outcomes	Hours	Week
person -In tests	-In person lectures	Characteristics of modern means of transport	Getting acquainted with modern means of transportation in the world	2	3 September
person -In tests	-In person lectures	Rail transport	An introduction to the characteristics and advantages of road transport; an introduction to the characteristics of rail .transport worldwide	2	4 September
person -In tests	-In person lectures	Water transport (river and sea)	Explaining the nature and importance of transport (river water (and sea	2	1 October
person-In tests	-In person lectures	The Suez Canal is one of the world's .maritime canals	Statement of the characteristics and features of air transport	2	2 October
person -In tests	-In person lectures	Panama Canal	Knowledge of the most important maritime channels of economic and transport significance in the world	2	October3
person -In tests	-In person lectures	Straits and their types	Explaining the economic, locational, and strategic importance of the	2	4 October

			Suez Canal in the Arab Republic of Egypt		
person -In tests	-In person lectures	natural harbors	Unveiling the geostrategic, transportation, and economic importance the Panama Canal of in Central America	2	1 November
person -In tests	-In person lectures	Classification of natural harbors	Understanding the types of lagoons found worldwide and their relationship to the economic activities of countries around the world	2	2 November
person -In tests	-In person lectures	Air routes and lines	Introducing students to the nature of natural harbors and their importance in the field of transportation .worldwide	2	3 November
person -In tests	-In person lectures	Transportation and agricultural activity	Statement on the importance of air routes and their spread throughout the world	2	4 November
person -In tests	-In person lectures	Transportation and industrial activity	Understanding the role of transportation in agricultural activity	2	1 December
person -In tests	-In person lectures	The world's major shipping lines	Understanding the role of transportation in industrial activity	2	2 December
person -In tests	-In person lectures	Pacific Ocean navigation	natural on To know Its and Navigation importance in Transportation The Guide ocean	2	3 December
person -In tests	-In person lectures	Navigation in the Indian Ocean	on identification Navigation natural Its importance and in Transportation Indian ocean	2	4 December
person -In tests	-In person lectures	Navigation in the Atlantic Ocean	Importance statement and Transportation For Economic For the in navigation	2	1 January

			Atlantic perimeter		
2026 - 2/2 -Spring break 18/1					
person -In tests	-In person lectures	Navigation in the Panama Canal	clarification The Students importance of channel in navigation The from Panama and Economic area In it Transportation	2	4 January
person -In tests	-In person lectures	Navigation in the Suez Canal	in Navigation effect on Suez channel Commercial Activity Industrial and In it agricultural	2	February 1
person -In tests	-In person lectures	Navigation on the Danube River	role on identification river in Navigation His and Danube In relationship Economic activities with Commercial and countries for Neighborhood him	2	2 February
person -In tests	-In person lectures	International trade	Defining the importance of international trade	2	3 February
person -In tests	-In person lectures	The importance of international trade	and role knowledge contribution commerce Level on International and Economic world the in Industrial	2	4 February
person -In tests	-In person lectures	International Trade and Industrial Development	on identification relationship natural between what Menu commerce Its and International development effect Economic	2	1 March
person -In tests	-In person lectures	Trade and Industrial Development	on identification relationship natural between what Menu commerce Its and International development effect Industrial	2	2 March
person -In tests	-In person lectures	means Transportation and Water	identification In the forms Students of means	2	3 March

		the in wilderness world	Water Transportation the in wilderness and Her and world growth relationship and Populat development Their and ion Their and output) Economic activities and (Agricultural Industrial		
person -In tests	-In person lectures	Transportation systems and their types	on identification Organized Patterns the in Transportation world	2	4 March
person -In tests	-In person lectures	By shipping containers	nature knowledge Transportation through intermediaries receipt in mentioned and goods different Services	2	1 April
person -In tests	-In person lectures	Patterns By Transportation Commercial ships	Types statement Transportation means Commercial For ships relationship Her and With the process the in Transportation world	2	2 April
person -In tests	-In person lectures	Transport .S vessels (oil, gas, (fishing, warships on identification ships Types Transportation Private	on identification ships Types Transportation In Private different activities the in For countries world	2	3 April

Course Evaluation .11

marks for the annual coursework, with 25 marks allocated for each semester, divided as 50 :follows

marks for the written exam 20

marks for the daily work, distributed between daily exams or reports 5

year exam-of-marks end 50

Learning and teaching resources .12

Course/Methodological Guide Studies in Transport Geography / My Source	Required textbooks (methodology, if (applicable
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Ahmed Habib Rasoul, International Transport (and Trade, Baghdad, 1981 (Methodological Muhammad Riyad, Geography of Transport, - Nahda Printing House, Beirut, 1979 -Dar Al (my source)	(Main references (sources
and Arabic Modern Regional Sources all Transportation geography area in foreign	Recommended supporting books and (...references (scientific journals, reports
nothing	Electronic references, websites

:Course Name .1 Headway (for Fourth Stage English Language)	
----- :Course Code .2	
Term/Year: Annual 2025/2026 .3	
:Date this description was prepared .4	
2025/9/18	
Available attendance formats: Lectures .5	
:Total study hours / Total units .6 60 / hours 14 units	
(the course coordinator (if there is more than one, mention it Name of .7	
:Name: M.D. Adhrra Abdel Salam Mohi Email athraa.abdalsalam@tu.edu.iq	
Course Objectives .8	
<p>1. :Enabling students to</p> <ul style="list-style-type: none"> ❖ English Reading and writing in ❖ . English language the basic rules of the Following ❖ speaking societies, -To learn about lifestyles in English especially British and American, and some of the .differences between them ❖ .Communication is linguistic ❖ .g the language of movies and the internet Understanding <p>2. a smooth and simple in Teaching students the English language .way</p> <p>3. He encouraged the students to solve the exercises and apply the .rules</p> <p>4. Encouraging them to continue learning English language lessons .programs in English and listening to conversations following by</p> <p>5. Developing the student's skills in expressing himself and his .ability to speak orally</p> <p>6. Developing students' conversation and reading skills through the . exercises in the student book</p>	Course objectives
learning strategies Teaching and .9	

- .(The standard method (giving lectures
- Text method
- brainstorming technique
- .Some modern strategies

strategy

Course Structure .10

Evaluation Method	Learning method	Unit or topic name	Require d learning outcome s	Hours	Week
Discussion and testing	Learn English	:First stage Introduction: Use the helper /am/is/are In speaking and .reading	a lecture	1	October 1 Unit (2&1)
		Unit Two: Use Topics / He / She / They / We / I / You In grammatical .practice			
		:Phase Two Teaching tenses in English			
		:Third stage Introduction to auxiliary verbs			
Discussion and testing	Learn English sentences ‘ now including negative and interrogative .forms	:Fourth stage Teaching the zero) conditionif (a lecture	1	October 2 (Unit 3)
		:First stage Using negation and in short affirmation answers			
		:Phase Two Teaching how to ask questions			
		:Third stage Introduction to tenses and auxiliary verbs			
Discussion and testing	Learn sentence structures	:Fourth stage Teaching the first and second conditions of IF	a lecture	1	October 3 (Unit 4)
		:First stage Using possession in adjectives. Multiple .nouns			
		:Phase Two Usinggot/have got in			

		everyday conversation			
		:Third stage Teaching the present simple tense			
		:Fourth stage Teaching tenses in informal spoken English			
Discussion and testing	Learn the difference between using auxiliary verbs	:First stage Teaching the present simple tense	a lecture	1	October 4 (Unit 5)
		:Phase Two Teaching how to recognize sentences in the present or past tense			
		:Third stage Teaching short answers and auxiliary verbs			
		:Fourth stage Introduction to auxiliary verbs: be/do/have			
Discussion and testing	Learn verb forms The difference between much/many	:First stage Teaching the simple past	a lecture	1	November 1 (Unit 6)
		:Phase Two using much/many			
		:Third stage Teaching questions and auxiliary verbs			
		:Fourth stage Perfect Introduction to Verbs			
Discussion and testing	Learn tenses and the difference between a few and a little	:First stage Teaching the Present Continuous Tense	a lecture	1	November 2 (Unit 7)
		:Phase Two Using a few/a little			
		:Third stage adverbs of Teaching the the simple present tense			
		:Fourth stage Teaching mental acts			
Discussion and testing	Learn verb forms	:First stage Continuous Past	a lecture		November

		Learning :Phase Two Using comparison and preference		1	3 (Unit 8)
		:stage Third Teaching the simple past tense			
		:Fourth stage Teaching mental acts			
Discussion and testing	Learn the qualities Learn standard and standard -non verbs	:First stage Teaching the simple irregular -past tense verbs	a lecture	1	November 4 (Unit 9)
		:Phase Two Adding er to adjectives			
		:Third stage present the Teaching continuous tense			
		:Fourth stage Teaching the acquisition of actions			
Discussion and testing	Learn sentences a like now Lycian	:First stage Teaching the simple past tense in the use of and negation questions	a lecture	1	December 1 (Unit 10)
		:Phase Two Practice the present perfect tense			
		:Third stage the Introduction to passive voice			
		:Fourth stage some other Teaching actions			
Discussion and testing	Learn the difference between affirmative and negative .sentences	:First stage Use can and proof in negation	a lecture	1	December 2 (Unit 11)
		:Phase Two conditions teaching			
		:Third stage the In voice passive simple present and the present continuous			
		:Fourth stage Teaching active and passive voice			

Discussion and testing	Learn verb forms	:First stage education modal verbs	a lecture	1	December 3 (Unit 12)
		:Phase Two pairs Using word			
		:Third stage Teaching the past perfect			
		:Fourth stage Teaching question forms			
Discussion and testing	Learn about tag questions and short answers	:First stage conditions teaching	a lecture	1	December 4 (Unit 13)
		:Phase Two Teaching short answers			
		:Third stage Teaching the past in perfect tense and affirmation negation			
		:Fourth stage Question about trends			
Discussion and testing	Learn singular and plural	:First stage Using "would like" in a question	a lecture	1	January 1 (Unit 14)
		:Phase Two Combination with -standard and non standard verbs			
		:Third stage Introduction to Conditional Verbs			
		:Fourth stage Question about descriptions			
Discussion and testing	Learn the different sentence structures in questions	:First stage Teaching some/any and differences	a lecture	1	January 2
		:Phase Two How can selectors be used in formulating questions and answers			
		:Third stage Conditional verb forms			
		:Fourth stage Teaching direct questions			
Discussion and testing	Learn the sentence structures in	:First stage Teaching like/would like	a lecture		January 3

	questions and negations	:Phase Two Formulation of affirmation and negation		1	
		:Third stage Conditional verbs in and proof obligation			
		:Fourth stage Using indirect questions			
Discussion and testing	Learn verb forms	:First stage Aleemlike/ would like	a lecture	1	January 4
		:Phase Two Practicing two forms of the present and the past			
		:Third stage in Conditional verbs and affirmation negation			
		:Fourth stage Exercising ownership in different forms			
Discussion and testing	English Learn tenses	:First stage Teaching the simple present and the present continuous tenses	a lecture	1	February 1
		:Phase Two Practice question words			
		:Third stage Use of should/ought to/must			
		:Fourth stage questions negative			
Discussion and testing	Learn short answers	:First stage Teaching Yes/No Questions	a lecture	1	February 2
		:Phase Two practicing can/can't			
		:Third stage Conditional verbs The request using can/could/will/would			
		:Fourth stage Using will for prediction			
Discussion and testing	Learn to plan for the future	:First stage Teaching future plans	a lecture	1	March 1
		:Phase Two practice was/were			

		:Third stage Conditional verbs that make offers: will/shall/should			
		:Fourth stage Usinggoing to for prediction			
Discussion and testing	to plan Learn for the future	:First stage countable and Teaching uncountable nouns	a lecture	1	March 2
		:Phase Two Practice /s'/ plural			
		:Third stage Introduction to Future Forms			
		:Fourth stage Using will/going to for making decisions and intentions			
Discussion and testing	Learn to plan for the future	:First stage Specific teachingThe	a lecture	1	March 3
		:Phase Two How to indicate the time			
		:Third stage Introduction to the present continuous tense in the use of will/going to			
		:Fourth stage Usingwill/shall			
Discussion and testing	Learn how to use selectors	:First stage Teaching the determinersa/an	a lecture	1	March 4
		:Phase Two answers negative			
		:Third stage Usingwill/going to			
		:Fourth stage Introduction to expressing quantities			
Discussion and testing	Learn affirmative, negative, and interrogative .sentences	:First stage Teaching prepositions	a lecture	1	April 1
		:Phase Two Usesome/any, each/every, more/most			
		:Third stage			

		to Introductionlike :Fourth stage Introduction to Conditional Verbs			
Discussion and testing	Learn sentences and verb forms	:First stage teaching numbers :Phase Two How to indicate the location :Third stage Using relative clauses :Fourth stage of Other uses and conditional verbs related verbs	a lecture	1	April 2
Discussion and testing	Learn the sentence	:First stage Learning colors :Phase Two jobs Teaching :Third stage Using time sentences :Fourth stage Sentences Relative	a lecture	1	April 3
Discussion and testing	Learn the different of forms interrogative . sentences	:First stage Teaching question words :Phase Two Teaching plural pronouns :Third stage Use the terms if :Fourth stage Expressing customs	a lecture	1	April 4
Written exam		Review of all stages	a lecture	1	May 1
Written exam		Review of all stages	a lecture	1	May 2
-----		Final exams	----- -	-----	May 4+3

Course Evaluation .11

:First semester
 Monthly exam: 20
 homework: 5 Daily
 Total: 25
 :Second semester
 Monthly exam: 20
 Daily homework: 5
 Total: 25

50 : for both semesters Total

Final exam: 50

Final grade: 100

Learning and teaching resources .12

. The ministry's prescribed textbook for all grade levels

Required textbooks
(methodology, if applicable)

(Main references (sources

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

<https://elt.oup.com/student/headway/beg/?cc=global&selLanguage=en>.

Electronic references, websites

<https://elt.oup.com/student/headway/preint4/?cc=global&selLanguage=en>.

<https://elt.oup.com/student/headway/int/?cc=global&selLanguage=en>.

-headway-https://sc.nahrainuniv.edu.iq/lectures/7092_new_book.pdf-students-intermediate-upper

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