

Programme Catalogue

College Name	College Abbreviation
Education	Edu
Department Name (in English)	Department Abbreviation
Geography	GEOG
Department Name (in Kurdish)	
جوگرافی	
Department Name (in Arabic)	
جغرافیا	
1. Qualification awarded	
Bachelor degree of geography in education college	
2. Length of programme	
4 Years	
3. Number of credits	
240 ECTS credits	
4. Level of qualification according to the National Qualification Framework and the European Qualifications Framework	
First cycle, Bachelor's degree	
5. Field(s) of study	
(Physical and human geography)	
6. Specific admission requirements (if applicable)	
The Geography Department is part of the College of Basic Education at UoD. The program lasts four years (eight semesters) and awards a Bachelor's degree in Education in Geography The curriculum covers both physical and human geography plus pedagogical training, aiming to prepare graduates to teach geography or work in related fields.	
7. Specific arrangements for recognition of prior learning (formal, non-formal and informal) (if applicable)	
Formal foreign certificates (secondary school or higher) can be recognized / equated and used for admission or continuing study — including in UoD. That covers “formal prior learning” (formal studies abroad or in other recognized institutions)	
8. Qualification requirements and regulations, including graduation requirements	
Students should successfully complete all the core components and collect 240 ECTS credits	
9. Profile of the programme	
The department was established in 2017 Study length: 4 years (eight semesters), leading to a Bachelor's Degree in Education — Geography The programme combines geographical sciences (physical & human geography + modern geographic technologies) with pedagogical / educational training, to prepare graduates to become geography teachers — especially at intermediate and secondary school levels The curriculum of the Geography Department includes two main parts:	

Geographic / Scientific Subjects

- **Physical geography:** climate/climatology, geomorphology, hydrogeography (rivers, groundwater, lakes), environmental geography, natural resources, human–environment interactions, etc
- **Human / socio-economic / regional geography:** population geography (distribution, density, migration), economic geography (resources, agriculture, industry, trade), urban and industrial geography, geopolitics, urban & rural settlement patterns, spatial distribution of services and infrastructure, regional planning, etc
- **Technical / applied geography:** use of modern tools and techniques: **GIS (Geographic Information Systems), remote sensing**, map reading/drawing, spatial data analysis — preparing students to analyse geographic phenomena using modern methods.

2. Educational / Pedagogical & Teacher-Training Subjects (because the department belongs to the College of Basic Education)

- Foundations of Education; Educational Psychology; Methods of teaching geography; Classroom management; Educational measurement & evaluation; pedagogical theory and practice
- Practical training: real teaching practice in schools (practical/pedagogical application) under academic supervision.

10. Programme Educational Objectives

The Program Educational Objectives (POEs) of the Geography department (Geo dept) are to prepare graduates who will:

1. **Prepare Competent Geography Educators**
 - Equip graduates with the knowledge, skills, and pedagogical competence required to teach geography effectively at intermediate and secondary school levels.
 - Develop teaching methods, classroom management, and evaluation skills suitable for modern educational contexts.
2. **Develop Scientific and Analytical Skills**
 - Enable graduates to analyze, interpret, and understand natural and human geographic phenomena.
 - Foster critical thinking and problem-solving skills to examine spatial patterns, environmental issues, and human–environment interactions.
3. **Promote Use of Modern Geographic Technologies**
 - Train students in Geographic Information Systems (GIS), remote sensing, cartography, and spatial data analysis.
 - Apply technological tools to study, model, and solve geographic problems.
4. **Encourage Research and Field-Based Learning**
 - Cultivate the ability to conduct geographic research, field studies, and surveys to collect, analyze, and report geographic data.
 - Encourage applied learning experiences connecting theoretical knowledge with practical applications in local and regional contexts.
5. **Foster Awareness of Societal and Environmental Issues**
 - Prepare graduates to address contemporary challenges such as environmental sustainability, urbanization, climate change, and regional planning.
 - Promote responsible citizenship and contributions to community development through geographic knowledge.

11. Programme learning outcomes

After successfully completing this programme, students should have:
Graduates will be able to:

1. Demonstrate comprehensive knowledge of physical geography (climate, geomorphology, hydrology, natural resources).
2. Demonstrate understanding of human and socio-economic geography (population, settlement patterns, urban and rural development, economic geography).
3. Apply geographical concepts, theories, and principles to analyze natural and human phenomena.
4. Demonstrate knowledge of environmental and regional planning issues relevant to Kurdistan and Iraq.

Cognitive and Intellectual Skills

Graduates will be able to:

5. Analyze and interpret spatial patterns and geographic data using scientific and quantitative methods.
6. Apply critical thinking to solve geographic problems and evaluate human–environment interactions.
7. Conduct research and field studies, including data collection, analysis, and interpretation.
8. Integrate knowledge from various geographic subfields to make informed decisions and recommendations for community and regional development.

Practical and Technical Skills

Graduates will be able to:

9. Use modern geographic technologies, including GIS, remote sensing, and cartography tools, to analyze and present spatial data.
10. Prepare maps, charts, and other visual representations of geographic information.
11. Plan and execute fieldwork and practical projects in both physical and human geography.
12. Apply geographic knowledge and tools in problem-solving related to environment, urban planning, and resource management.

12. Programme structure diagram with credits

College of Education				COL	Version No.: 1	
Department of Geography				DEPT	Version Date: 5/6/2025	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7
Physical Geography 6 ECTS Geog B113C	Human Geography 6 ECTS Geog B122C	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
Principles of Maps 6 ECTS Geog B114C	Thematic maps 6 ECTS Geog B124C	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
Geography of Environment 6 ECTS Geog B126C	General psychology 4 ECTS Geog B115C	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
kurdology 4 ECTS Geog B112C	Computer skills 4 ECTS Geog	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
English Language1 4 ECTS Geog B111C	Scientific Debate 4 ECTS Geog B121C	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
Principal of Geomorphology 6 ECTS Geog B116C	English Language2 4 ECTS Geog B111C	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
Fall Electives 0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS
Spring Electives 0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS	0 ECTS

13. Mode of Study

Full time on campus

14. Examination regulations and grading scale

The following grading scale is used:

% Points	Grade
90 – 100	Excellent
80 - < 90	Very Good
70 - < 80	Good
60 - < 70	Medium
50 - < 60	Pass
0 - < 50	Fail

15. Mobility window (if applicable)

16. Work placement(s)/internships (if applicable)

The programme includes a 6 ECTS internship opportunity in semester 8

17. Work-based learning (if applicable)

Work-Based Learning (WBL) is an educational approach where students **apply theoretical knowledge in practical, real-world settings.**

In the Geography Department, WBL is primarily designed to **prepare students for professional roles** as geography teachers or as practitioners in planning, environmental management, and GIS-based work.

It bridges the gap between **classroom learning and workplace expectations**.

Internship / Practical Training (6 ECTS)

- Conducted in **semester 8** as part of the Bachelor's program.
- Students are placed in schools, governmental institutions, NGOs, or private companies related to geography, GIS, environment, or urban/rural planning.
- Focus: Applying teaching methods, GIS analysis, environmental studies, and project-based geographic work.

Fieldwork and Site Visits

- Integrated throughout the program (especially in physical and human geography courses).
- Students gain hands-on experience in **data collection, mapping, observation, and environmental assessment**.
- Examples: River basin studies, land-use surveys, urban development assessments.

18. Programme director or equivalent

Mizgeen Muhammed Hasan

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19. Occupational profiles of graduates

Geography Teachers / Educators

Level: Intermediate and secondary schools.

Role: Plan and deliver geography lessons, develop teaching materials, assess student learning, and manage classrooms.

Skills Applied: Pedagogical methods, curriculum knowledge, classroom management, lesson planning.

Employers: Public schools, private schools, educational centers.

2. Urban and Regional Planners

Role: Assist in planning and managing urban, rural, and regional development projects.

Tasks: Mapping land use, analyzing population distribution, evaluating environmental impact, and recommending sustainable development strategies.

Skills Applied: GIS, cartography, data analysis, spatial planning.

Employers: Government planning departments, municipalities, urban development authorities.

3. Environmental and Resource Management Specialists

Role: Manage, conserve, and plan for natural resources and environmental sustainability.

Tasks: Conduct environmental assessments, monitor resource use, advise on climate and water management issues.

Skills Applied: Physical geography knowledge, environmental analysis, GIS, research methods.

Employers: Ministries of Environment, Water Resources, NGOs, environmental consultancies.

4. Geospatial / GIS Analysts

Role: Collect, process, and analyze spatial data for decision-making.

Tasks: Produce maps, spatial models, and reports for urban planning, disaster management, or resource allocation.

Skills Applied: GIS software, remote sensing, spatial data analysis, cartography.

Employers: Government agencies, private companies, NGOs, research centers.

5. Researchers and Academic Professionals

Role: Conduct studies and applied research in geography and education.

Tasks: Fieldwork, data analysis, publishing reports or academic papers, presenting findings at conferences.

Skills Applied: Research design, data collection, statistical analysis, report writing.

Employers: Universities, research institutions, think tanks, NGOs.

20. Access to further studies

Graduates are eligible for further studies at higher diploma programmes or second-cycle (Master's) degrees in relevant disciplines.

21. Academic Staff

Full Name	Qualification	Academic title	Email
Mizgeen Muhammed Hasan	PhD	professor	mizgeen.hasan@uod.ac
Nishan Sorin Moses	PhD	Assist prof	Nishan.moses@uod.ac
Ashti Ismael Abdulwahman	PhD	lecturer	Ashti.abdulrahman@uod.ac
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Nazalin saedar Naaman	MA	lecturer	Nazalin.naman@uod.ac
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Salih hasan Salam	PhD	lecturer	
Araz Miqdad Rasheed	MA	lecturer	
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Emad Muhammed Ameen	MA	lecturer	
Ahmed Muhammed Younis	PhD student	lecturer	
Firas Hasan Salman	PhD student	lecturer	
Omed hakeem mosa	MSc	lecturer	

22. Facilities and Resources (Lecture halls, Labs, etc.)

The programme uses these facilities:

Type	Quantity	Capacity (students)	Type of use	Equipment included
Lecture Hall	4	35	Dedicated	Projector, whiteboard
Lecture Hall	2	50	Dedicated	Projector, whiteboard
Electronic Circuits Lab	1	30	Dedicated	15 benches each including: 1 oscilloscope, 2 bench power supplies, 1 function generator
Computer Lab 1	1	22	Dedicated	22 Desktop computers, projector, whiteboard, internet
Computer Lab 2	1	25	Dedicated	25 Desktop computers, projector, whiteboard, internet

23. Accreditation and recognition
The programme is officially recognized by the Ministry of Higher Education and Scientific Research of the Kurdistan Region – Iraq and the Ministry of Higher Education and Scientific Research of Iraq.