

# QUATERNER GEOGRAPHY

1	Course Title:	QUATERNER GEOGRAPHY
2	Course Code:	COG4023
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	7
7	ECTS Credits Allocated:	5.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi ABDULLAH AKBAŞ
15	Course Lecturers:	Yok
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Abdullah AKBAŞ email:abdullahakbas@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The aim of this course is to explain all the physical processes that took place during the Quaternary period.
19	Contribution of the Course to Professional Development:	This course provides the needs that wanted by environmental agencies
20	Learning Outcomes:	
	1	Explains Quaternary climate changes
	2	studies geomorphological processes in the Quaternary
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	The importance and historical development of Quaternary research	
2	Climatic changes and their causes	
3	Glacial dynamics and landforms originating from glaciation	
4	Periglacial belt geology, geomorphology and loess stratigraphy	

5	Biological records and evidence in Quaternary research: pollen, diatom, ostracoda, foraminifera and vertebrate fossils analyzes of remains and speolothems	
6	In-cave deposits and carbonate deposits	
7	Stable oxygen-tracetope stratigraphy of deep-sea sediments	
8	Sea and lake level changes as indicators of climatic change and tectonic control	
9	Quaternary stratigraphy principles and subdivisions	
10	Marine, terrestrial and glacial core data and correlation	
11	The last interglacial-glacial period and climatic and environmental changes in this period	
12	Holocene epoch: climatic and environmental changes	
13	Global atmospheric circulation models	
14	Fieldwork	

22	Textbooks, References and/or Other Materials:	Erol, O., 1979. Dördüncü Çağ(Kuvaterner)Jeoloji ve Jeomorfolojisinin Ana Çizgileri,A.Ü.D.T.C.Fak.Yay.No:289,Ankara Ardos, M., 1992,Türkiyede Kuaterner
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Activites		Number	Duration (hour)	Total Work Load (hour)
<b>TERM LEARNING ACTIVITIES</b>		<b>NUMBER</b>	<b>WEIGHT</b>	
Theoretical		14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self-study and preperation	0	0.00	9.00	126.00
Homeworks		0	0.00	0.00
Project Exam	1	60.00	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exam		40.00	1.00	1.00
Contribution of Term (Year) Learning Activities to Final Exam		0	0.00	0.00
Others		0	0.00	0.00
Contribution of Final Exam to Success Grade		60.00	1.00	1.00
Total Work Load				156.00
Total work load/30h				
Measurement and Evaluation Techniques Used in the Midterm Exam and Final Exam				5.20
ECTS Credit of the Course				5.00

## 24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	5	4	5	5	4	5	5	5	5	5	4	4	0	0	0
ÖK2	5	5	5	4	5	4	5	4	5	5	5	5	5	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							

