



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Quarterner Soils							
Course Code		ZTO606		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	7	Workload	173 (<i>Hours</i>)	Theory	3	Practice	0	Laboratory	0
Objectives of the Course		To understand the Quaternary period that is known as most important time of geology.							
Course Content		Concepts, general characteristics of Quaternary period, Quaternary deposits, geomorphological units, climatical changes during the Quaternary period, genesis of Quaternary soils, importance of agricultural and expansion areas in Turkey.							
Work Placement									
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	Dördüncü Çağ (Kuaterner) Jeoloji ve Jeomorfolojisinin Ana Çizgileri, DTCF Yayınları No:289, Coğrafya Araştırma Enstitüsü Yayınları No:22, Ankara, Erol, O., 1979.
2	Pedo-Jeomorfoloji, Çukurova Üni. Ziraat Fakültesi Ders Çalışma Materyali, Adana, Prof. Dr. Suat ŞENOL, 2000.
3	Türkiyede Kuaterner Jeomorfolojisi, Çantay Kitapevi, M.Ardoş, 1996.

Week	Weekly Detailed Course Contents	
1	Theoretical	Geological periods and Quaternary
2	Theoretical	Quaternary general features
3	Theoretical	Quaternary geomorphology
4	Theoretical	Deposition forms and characteristics
5	Theoretical	Fluvial landform and deposits
6	Theoretical	Fluvial landform and deposits
7	Theoretical	Fluvial landform and deposits
8	Intermediate Exam	Midterm Exam
9	Theoretical	Lacustrine and marine deposits
10	Theoretical	Eolian deposits
11	Theoretical	Glacial deposits
12	Theoretical	Volcanism in Quaternary
13	Theoretical	Evolution of Quaternary Soils
14	Theoretical	Climatic changes of Quaternary
15	Theoretical	Evaluation based on agriculture of Quaternary soils
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	3	42
Assignment	1	0	10	10
Term Project	1	0	14	14
Reading	6	0	5	30
Midterm Examination	1	0	30	30



Final Examination	1	0	47	47
Total Workload (Hours)				173
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Understand the general characteristics of the Quaternary period
2	To identify the terrain
3	To explain importance and evolution of Quaternary soils
4	To interpret the effects of climatic changes of Quaternary
5	Have information about the Quaternary soils in Turkey

Programme Outcomes (Soil Doctorate)

1	To be able to apply the theoretical information achieved during the graduate study
2	To be able to collect data by scientific means, to evaluate and interpret
3	To be able to update himself continuously
4	To be able to assess the convenient analytical methods during the process of the scientific study
5	To be able to put forth solutions to soil use and plant development

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P1	4	5	3	5	5
P2	2	4	4	5	3
P3	1	1	1	4	2
P4	1	3	4	5	2
P5	4	4	4	4	4

