

## SOILS OF TURKEY

1	Course Title:	SOILS OF TURKEY	
2	Course Code:	TPR4910-Z	
3	Type of Course:	Compulsory	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	8	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	no	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. GÖKHAN ÖZSOY	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü 16059 Görükle Kampüsü, Nilüfer/Bursa Tel: 0-224-2941538 E-posta: ozsoyg@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To introduce the characteristics of Turkey's natural environment and soil groups developed in the regions. Properties of soil classes. Provide detail information on the soil potential of Turkey and Bursa region: soil problems and solutions.	
19	Contribution of the Course to Professional Development:	Understands the characteristics of soil types in Turkey. Understands the climate-vegetation-soil relationship in the process of soil formation. Understands soil problems and solution suggestions.	
20	Learning Outcomes:		
		1	Comprehends Turkey's natural environment (geology, geomorphology, climate, natural vegetation)
		2	Interprets the effects of soil forming factors on soil formation
		3	Understands the basic information on morphology, genesis, distribution and usage of the soils of Turkey
		4	Recognize the characteristics of major soil groups in Turkey
		5	Interprets soils of Turkey according to Soil Taxonomy
		6	Recognizes and discusses the basic problems of soils of Turkey
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	

1	Earth's formation, geological times, main rock groups	
2	Turkey's geographic location, geology and lithology, Geomorphology of Turkey	
3	Climatic conditions and natural vegetation of Turkey, Soil moisture regime and classes, Soil temperature regime and classes	
4	Soil formation and soil forming factors	
5	Soil classification and soil classification systems used in Turkey	
6	Major soil groups in Turkey, reading existing soil maps	
7	The features of zonal, intrazonal and azonal soil groups	
8	Soil Taxonomy, Taxonomic classification stages	
9	Examples of interpretation of large soil groups according to soil taxonomy in soil maps and reports	
10	Soil great groups of Turkey equivalent in Soil Taxonomy	
11	Entisols, Vertisols, Inceptisols and Aridisols: general characteristics and distribution in Turkey	

Activites		Number	Duration (hour)	Total Work Load (hour)
10	Theoretical general characteristics and distribution in Turkey	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
14	Turkey's land capabilities and land usage, Main problems of soils that restricting	14	1.00	14.00
Homeworks		1	10.00	10.00
Projects		0	0.00	0.00
22	Textbooks, References and/or Other	Özsoy, G. 2012. Türkiye toprakları ders sunum notları		
Field Studies		3	6.00	18.00
Midterm exams		1	10.00	10.00
Others		0	0.00	0.00
Final Exams		1	12.00	12.00
Total Work Load				92.00
Total work load/ 30 hr				3.07
ECTS Credit of the Course				3.00

		Soil Survey Staff 2010. Keys to Soil Taxonomy. 11th edn. USDA-NRCS. US Government Printing Office, Washington DC, USA, 346 p.  Cangir, C. 1991. Toprak Bilgisi. Trakya Üniversitesi, Tekirdağ Ziraat Fakültesi, Yay No:116, Ders Kitabı No:5, Tekirdağ.178s.  Atalay, İ. 2006. Toprak Oluşumu, sınıflandırılması ve coğrafyası, 3.baskı. Meta basım matbacılık, İzmir. 584s.
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23	Assesment		
TERM LEARNING ACTIVITIES		NUMBE R	WEIGHT
Midterm Exam		1	20.00

Quiz	0	0.00
Home work-project	1	20.00
Final Exam	1	60.00
Total	3	100.00
Contribution of Term (Year) Learning Activities to Success Grade	40.00	
Contribution of Final Exam to Success Grade	60.00	
Total	100.00	
Measurement and Evaluation Techniques Used in the Course	Active attendance to class is important. Final evaluation is done with relative evaluation approach.	

## 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	5	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0
ÖK2	5	0	5	0	0	0	0	0	0	4	4	0	0	0	0	0
ÖK3	5	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0
ÖK4	5	0	0	0	0	4	0	0	0	4	4	3	0	0	0	0
ÖK5	5	4	5	0	0	4	4	0	4	4	4	3	0	0	0	0
ÖK6	5	4	5	0	0	4	4	5	4	5	5	3	3	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low		2 low		3 Medium		4 High		5 Very High							