

JEO-TEXTILE MATERIALS

1	Course Title:	JEO-TEXTILE MATERIALS
2	Course Code:	TEK6009
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
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:	Prof. Dr. YUSUF ULCAY
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Bursa Uludağ Üniversitesi Mühendislik Fakültesi Tekstil Mühendisliği Bölümü Görükle/BURSA 16059 Prof. Dr. Yusuf ULCAY ulcay@uludag.edu.tr 0 224 294 0010
17	Website:	
18	Objective of the Course:	General guiding in order to get desired geo-textile fabric and structure properties (breaking strength, module, etc.).
19	Contribution of the Course to Professional Development:	To be able to choose the right material for the needs.
20	Learning Outcomes:	
	1	Exploring and understanding properties of geo-textile structures.
	2	Being able to select suitable geo-textile according to application area.
	3	Understanding geo-textile production methods.
	4	Being able to design geo-textile.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to geo-textile materials	
2	Design method	
3	Properties of geo-textiles	

4	Properties of geo-textiles	
5	Properties of geo-textiles	
6	Properties of geo-textiles	
7	Geo-textile functions and mechanisms	
8	Repeating courses and midterm exam	
9	Geo-textile functions and mechanisms	
10	Design for filtration objective	
11	Design for filtration objective	
12	Design for drainage objective	
13	Design for multi-functional objective	
14	Design for multi-functional objective	

22	Textbooks, References and/or Other Materials:	1.Lecture Notes 2.Recent scientific papers
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	30.00
Quiz	0	0.00
Home work-project	3	10.00
Final Exam	1	60.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Contribution of Final Exam to Success Grade	60.00		
Practicals/Labs	0	0.00	0.00
Total	100.00		
Self study and preperation	14	2.00	28.00
Homeworks	3	20.00	60.00
Projects	0	0.00	0.00

24	ECTS / WORK LOAD TABLE		
Field Studies	0	0.00	0.00
Midterm exams	1	20.00	20.00
Others	0	0.00	0.00
Final Exams	1	25.00	25.00
Total Work Load			195.00
Total work load/ 30 hr			5.83
ECTS Credit of the Course			6.00

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	4	1	1	2	1	1	5	1	1	1	1	1	1	0	0
ÖK2	4	1	1	1	1	4	1	3	1	1	1	1	1	1	0	0
ÖK3	4	1	1	1	1	3	4	3	1	1	1	1	1	1	0	0
ÖK4	5	1	3	1	1	5	5	5	1	1	1	1	1	1	0	0

LO: Learning Objectives PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High
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