

SUSTAINABLE PRODUCT DESIGN

1	Course Title:	SUSTAINABLE PRODUCT DESIGN	
2	Course Code:	MAK4415	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
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:	-	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. FATİH KARPAT	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	karp@uludag.edu.tr 0224 2941930	
17	Website:		
18	Objective of the Course:	The main purpose of this course is to examine the every aspect of industrial design from the view point of sustainability. In other words, the general aim of the semester course is to strengthen the knowledge and sensitivity towards an ecological and sustainable design.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	The student will be able to evaluate the interrelated nature of ecology, economy and social equity with a focus on "sustainable systems thinking and analysis".
		2	The student will be able to investigate ecological principles in human and product relationships, and the interaction with the environment.
		3	Students will be able to acquire a fair knowledge of and a critical perspective on concepts, values and the relationship of the above mentioned subjects.
		4	Student will be able to increase his/her awareness in terms of sustainability and sustainable product design.
		5	
		6	
		7	
		8	
		9	
		10	
21	Course Content:		
		Course Content:	

Week	Theoretical	Practice
1	Introduction to sustainability	
2	Sustainability in world and Turkey	
3	Sustainable design trends	
4	Eco Design	
5	Eco Design	
6	Life cycle and carbon foot	
7	Recycle	
8	Recycle and Materials	
9	Repeating courses and midterm exam	
10	Recycle and materials	
11	Clean production	
12	Eco products and production	
13	Clean energy	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
22 Textbooks, References and/or Other	"Sustainable Development in Practice: Case Studies for Sustainable Development"	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preparation	14	1.00	14.00
23 Assessment			
Homeworks	4	3.00	12.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Quiz	0	0.00	0.00
Midterm exams	0	16.00	16.00
Others	0	0.00	0.00
Final Exams	1	22.00	22.00
Total Work Load			92.00
Contribution of Term (Year) Learning Activities to Total Work Load/ 30 hr	50.00		3.07
ECTS Credit of the Course			3.00
Contribution of Final Exam to Success Grade	50.00		
Total	100.00		
Measurement and Evaluation Techniques Used in the Course			

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	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0

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