

SUSTAINABLE DESIGN

1	Course Title:	SUSTAINABLE DESIGN	
2	Course Code:	MAK5260	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
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. Fatih Karpaz	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Prof. Dr. Fatih KARPAT e-mail: karpaz@uludag.edu.tr	
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:	The student will learn the necessity of sustainability and how to take it into account when designing.	
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.
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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	
14	Hazardous materials	

23	Assesment
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Midterm Exam	1	20.00
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Activites	Number	Duration (hour)	Total Work Load (hour)
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Practicals/1 abs	0	0.00	0.00
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Self study and preparation	14	3.00	42.00
Contribution of Final Exam to Success Grade	60.00		
Homeworks	5	10.00	50.00

Projects	100.00	0.00	0.00

Midterm exams	1	20.00	20.00
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Final Exams	1	22.00	22.00
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Total work load			17.6166
Total work load/ 30 hr			0.587

ECTS Credit of the Course			6.00
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	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	4	4	4	3	3	5	5	3	3	4	4	3	2	3	3	4
ÖK2	4	4	3	3	5	5	5	4	4	4	3	3	3	5	5	5
ÖK3	4	4	5	3	4	4	4	3	3	5	4	5	5	2	4	3
ÖK4	4	4	4	3	3	4	5	5	5	3	4	3	3	4	4	4

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