BIOMASS ENERGY TECHNOLOGIES										
1	Course Title:	BIOMAS	S ENERGY TECHNOLOGIES							
2	Course Code:	CEV630	3							
3	Type of Course:	Optional								
4	Level of Course:	Third Cy	cle							
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:									
12	Language:	Turkish								
13	Mode of Delivery:	Face to	ace							
14	Course Coordinator:	Prof. Dr.	Nezih Kamil Salihoğlu							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	nkamils@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	1. Introd 2. Enviro Technolo 3. Techn the Biom 4. Comp Turkey a	 Introducing the Biomass Energy Technologies Environmental Impact Assessment of Biomass Energy Technologies Technology selection, capacity planning and cost estimation for the Biomass Energy Technology. Comparison of Biomass Energy Technology Applications in Turkey and in the World. 							
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	Learn the Biomass Energy Technologies							
		2	Understand the Environmental Impact Assessment of Biomass Energy Technologies							
		3	Compare the Biomass Energy Technology Applications							
		4	Estimate the investment and operation cost for full scale BET project.							
		5								
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	Description of Biomass Energy Tec	hnologies								
2	Environmental Impact Assessment Biomass Energy Technologies	of								

3	Energy crops and plants, Specificat Biofuels	ions of								
4	Biofuel Production Technologies									
5	Energy Conversion Technologies for (Anaerobic Fermentation Technologi	Biomass es)								
6	Energy Conversion Technologies for (Incineration)	Biomass								
7	Energy Conversion Technologies for (Co-Incineration)	Biomass								
8	Energy Conversion Technologies for (Prolysis)	Biomass								
9	Energy Conversion Technologies for (Gasification)	Biomass								
10	Comparison and selection of Energy Conversion Technologies for Biomas	S								
11	Capacity planning for the Biomass E Technologies	nergy								
12	Cost estimation of the Biomass Ener Technologies	gу								
13	Comparison of Biomass Energy Tech Applications in Turkey and in the Wo	nnology rld								
14	Project presentation									
22	Textbooks, References and/or Other Materials:		1.l Er 2,	1.United Nations Development Program/World Bank. Energy sector management assistance program. 2, Biomass Processing Technologies. Vladimir Strezov.						
Activit	es			Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		Ro	oberto, Sustainable De	velopment and Env	/ironmental				
Practic	als/Labs									
Self stu	dy and preperation		В	oreactor Technology,	Editors: Paek, Kee-	Yoeup, Murthy,				
Homew	vorks									
Project	8		5.	Progress in Biomass	and Bioenergy Proc	luction, Edited				
Field S	tudies									
Midtern	n exams									
Others										
Finame				EIGHT						
Total W	Vork Load									
<u> </u> €0tal w	ork load/ 30 hr	0	0.0	00						
ECTS	Credit of the Course	I				6.00				
Final E	xam		50	0.00						
Total		2	10	100.00						
Contrib Succes	oution of Term (Year) Learning Activities S Grade	es to	50	50.00						
Contrib	ution of Final Exam to Success Grade	9	50	50.00						
Total			10	100.00						
Measu Course	rement and Evaluation Techniques Us	sed in the								
24	24 ECTS / WORK LOAD TABLE									

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low				2 low			3 Medium		4 High		5 Very High				