

Course Details									
Code				Acad	Academic Year			Semester	
EBT402				4			8		
Title				Т	Α	L	ECTS		
Energy Management				3	2	0	6		
Language	German	German							
Level	Undergraduate X Graduate Postgraduate				aduate				
Department / Program	Energy Science and	Energy Science and Technologies							
Forms of Teaching and Learning	Face to face								
Course Type	Compulsory	Compulsory X			Elective				
Objectives	The students obtain a deep knowledge about the legal framework of energy supply. They learn political decision making as well as energy policy in national and international levels. They learn the processes and procedures about the applications of infrastructure measures and the important social processes on energy supply.								
Content	National and international level of law and politics of energy, Energy Management Regulations and Systems, National and International Energy Markets, Infrastructure Measures, Power Plant Construction and Connections, Social Issues Related to Energy.								
Prerequisites									
Coordinator									
Lecturer(s)									
Assistant(s)									
Work Placement	No								
Recommended or Required Re	eading								
Books / Lecture Notes									
Other Sources									
Additional Course Material									
Documents									
Assignments									
Exams									
Course Composition									
Mathematics und Basic Sciences							%		
Engineering							20%		
Engineering Design							20%		
Social Sciences							%		
Educational Sciences							%		



		COURSESY	LLABUS			
Natural Sciences	1			20%		
Health Sciences				%		
Expert Knowledg	ge			40%		
Assessment						
Activ	rity	Cou	Percentage (%)			
Midterm Exam		1		40		
Quiz						
Assignments						
Attendance						
Recitations						
Projects						
Final Exam		1	60			
	Total			100		
ECTS Points and	d Work Load					
Activity		Count	Duration	Work Load (Hours)		
Lectures		15	2	30		
Self-Study		15	6	90		
Assignments						
Presentation / Seminar Preparation						
Midterm Exam		1	2	2		
Recitations		15	2	30		
Laboratory						
Projects		1	30	30		
Final Exam		1	2	2		
			Total Work Load	184		
		6				
Learning Outco	mes		nts (Total Work Load / Hours)			
	Providing basic information about energy resources					
2	Giving general information about sustainability					
	Giving basic information about the efficient use of energy					
3	Emphasizing the importance of heat recovery applications					
4	Importance of measurement					
5	importance of measurement					
6						
7						
8	 Instruction of the control of the cont					



9							
10							
11							
12							
Weekly Conten	t						
1	General Descript	tions: Library an	d literature studi	es related to the	course will be ca	rried out.	
2	General Energy Situation of Turkey and the World and the Structure of Turkish Industry						
3	Energy Manager	ment Principles					
4	Energy Saving S	Survey Method	s, Energy Acco	unting			
5	The Importance of Measurement, Instrumentation and Process Control						
6	Isolation						
7	Combustion Systems in Heat Production Facilities						
8	Midterm						
	Efficiency Calculations in Boilers						
10	Steam Production and Distribution Systems						
	Heat Recovery from Condensate and Blowdown						
12	Heat Recovery from Condensate and Blowdown						
13	Homework presentation						
14	Homework pre	sentation					
Contribution of	Learning Outc	omes to Progra	am Objectives	(1-5)			
	P1	P2	Р3	P4	P5	P6	P7
1	4	5	4	4	4	4	4
2							
3							
4							
5 6							
7		3	4	5	3	4	5
8		3	7	3	3	7	J
9							
10							
11							
12							
Contribution Lev	el :	1: Low 2: Low-in	termediate 3: In	termediate 4: Hi	gh 5: Very High		





Compiled by:	
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