

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY **COURSE SYLLABUS**

Course Details									
Code				Acad	Academic Year			Semester	
EWT401					4			7	
Title	T A L ECTS								
Energy Economy and Policy	2 2 0 6								
Language	German								
Level	Undergraduate	Undergraduate X Graduate Postgraduate				duate			
Department / Program	Department of Ene	ergy Science ar	nd Technology ((German)					
Forms of Teaching and Learning	Face to Face								
Course Type	Compulsory		х	Ele	ective				
Objectives	The students learn the complex relationships between technical, economic and political aspects of energy supply. You can understand the effects of industrial companies on the energy supply, determine practical degrees of freedom and economic determinants of operational energy supply and evaluate the effects of dynamic political framework conditions.								
Content	Introduction to the energy industry, energy law, introduction to energy policy, energy markets, use and regulation of energy networks, properties of electricity and natural gas supply, potential and importance of Demand Side Management (DSM), technical and economic aspects of industrial energy supply.								
Prerequisites									
Coordinator	Assoc. Prof. Dr. Şahin Uyaver								
Lecturer(s)									
Assistant(s)									
Work Placement	No								
Recommended or Required Reading									
Books / Lecture Notes	-								
Other Sources	-	-							
Additional Course Material									
Documents	-								
Assignments	-	-							
Exams	-								
Course Composition									
Mathematics und Basic Sciences							%		
Engineering		60					%		
Engineering Design	%								



DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY COURSE SYLLABUS

Social Sciences			%		
Educational Sciences		%			
Natural Sciences	40	%			
Health Sciences			%		
Expert Knowledge			%		
Assessment					
Activity	Cou	nt	Percentage (%)		
Midterm Exam	1		40		
Quiz	0	0			
Assignments	0	0			
Attendance	0	0			
Recitations	0	0			
Projects	0	0			
Final Exam	1	1 60			
		Total	100		
ECTS Points and Work Load					
Activity	Count Duration		Work Load (Hours)		
Lectures	14	28			

Self-Study	13	4	52
Assignments	5	10	50
Presentation / Seminar Preparation			
Midterm Exam	1	2	2
Recitations	14	1	14
Laboratory	14	2	28
Projects	1	2	2
Final Exam			
	176		
	6		

Learning Outcomes

The students learn the complex relationships between technical, economic and political aspects of energy supply. You can understand the effects of industrial companies on the energy supply, determine practical degrees of freedom and economic determinants of operational energy supply and evaluate the effects of dynamic political framework conditions.

 Weekly Content

 Introduction to the energy industry, energy law, introduction to energy policy, energy markets, use and regulation of energy networks, properties of electricity and natural gas supply, potential and importance of Demand Side Management (DSM), technical and economic aspects of industrial energy supply.

Contribution of Learning Outcomes to Program Objectives (1-5)



DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY со SE SYLL JS

)	U	RS	E	S	Y	L	LÆ	١E	βL	
---	---	----	---	---	---	---	----	----	----	--

	P1	P2	P3	P4	P5	P6	P7
1	5	5	5	5	5	5	5
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
Contribution Level1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High							
Compiled by:	Compiled by:						
Date of Compilat	Date of Compilation:						