

Course Details									
Code				Acad	Academic Year			Semester	
EBT403				4	4				
Title				т	Α	L	ECTS		
Energy Economy and Policies				2	2	0	6		
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Language	German								
Level	Undergraduate	graduate X Graduate			I	Postgra	duate		
Department / Program	Energy Science and To	echnology							
Forms of Teaching and Learning	Face-to-face	Face-to-face							
Course Type	Compulsory		Ele	Elective					
Objectives	Ine Energy Economics and Policies course aims to examine and understand the economic interactions and roles of policies in the energy sector. This course aims to teach students the fundamental concepts in the energy sector and their economic contexts by investigating the economic impacts of energy resources' production, distribution, consumption, and pricing. Additionally, by emphasizing that the determination and implementation of energy policies should consider not only economic factors but also social and environmental dimensions, the course aims to help students understand the multidimensional nature of energy policies.								
Content	evaluates the economic impacts of energy pricing by addressing the fundamental concepts of the energy sector. It also encompasses the determination and implementation of energy policies, considering social, environmental, and economic factors, aiming to convey the multidimensional nature of energy policies to students. By focusing on the economic effects of energy supply and demand, it analyzes competitive energy markets and discusses the impact of energy policies on sustainability goals.								
Prerequisites	None								
Coordinator	Dr. Meltem KARAİSMAİLOĞLU ELİBOL								
Lecturer(s)	Dr. Meltem KARAİSMAİLOĞLU ELİBOL								
Assistant(s)	None								
Work Placement	None								
Recommended or Required Reading									
Books / Lecture Notes	 Turner, W.C., Doty, S. 2006. Energy Management Handbook. Fairmont Press. IS 0-88173-542-6. Thumann, A., Woodroof, E.A., 2005. Handbook of Financing Energy Projects. Cl Press. ISBN-10: 0849336678 Ströbele, W., Pfaffenberger, W., Heuterkes, M., 2012. Energiewirtschaft: Einführung in die Theorie und Politik, München: De Gruyter Oldenbourg Ebook 				Press. ISBN: jects. CRC t: g Ebook.				
Other Sources	None								



Additional Course Material							
Documents							
Assignments	1 Assignment						
Exams	1 Midterm exam + 1 Final exam						
Course Composition							
Mathematics and Basic Sciences	-	%					
Engineering	60	%					
Engineering Design		%					
Social Sciences	20	%					
Educational Sciences	-	%					
Natural Sciences	20	%					
Health Sciences		%					
Expert Knowledge	-	%					
Assessment							
Activity	Count	Percentage (%)					
Midterm Exam	1	40					
Quiz	-	-					
Assignments	2	20					
Attendance	-	-					
Recitations	-	-					
Projects	-	-					
Final Exam	1	40					
	Total	100					

Total

ECTS Points and Work Load							
Activity	Count	Duration	Work Load (Hours)				
Lectures	14	4	56				
Self-Study	14	4	56				
Assignments	2	30	60				
Presentation / Seminar Preparation	-	-	-				
Midterm Exam	1	3	3				
Recitations	-	-	-				
Laboratory	-	-	-				
Projects	-	-	-				
Final Exam	1	3	3				
	178						



	ECTS Points (Total Work Load / Hour)	6			
Learning Outco	omes				
1	Students learn about the complex relationships between the technical, economic, and political aspects of energy supply.				
2	Students learn the fundamental concepts of the energy sector, including the production, distribution, and consumption of energy resources.				
3	Students learn about the key considerations in determining energy policies.				
4	Students gain an understanding of the economic determinants used in energy economics.				
Weekly Conter	ıt				
1	Fundamentals of Energy Economics				
2	Energy Sources and Production				
3	Energy Distribution and Consumption				
4	Energy Pricing and Market Models				
5	Definition and Importance of Energy Policies				
6	Economic Factors in Determining Energy Policies				
7	Social and Environmental Dimensions of Energy Policies				
8	Social and Environmental Dimensions of Energy Policies, Midterm Exam				
9	Economic Effects of Energy Supply and Demand				
10	Competitive Energy Markets and Analysis				
11	National and International Dimensions of Energy Policies				
12	Future of Energy Policies and Trends				
13	Current Issues and Debates in Energy Policies				
14	Student Assignment Presentations				
15	Final Exam				
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Contribution of Learning Outcomes to Program Objectives (1-5)

	P1	P2	P3	P4	P5	P6	P7	P8	P9
1	4	5	3	5	3	5	4	3	5
2	4	5	4	5	4	5	3	4	5
3	3	4	4	5	4	4	4	4	5
4	3	4	4	4	3	5	5	3	4
Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High									
Compiled by:	Compiled by: Dr. Aslı İŞLER KAYA, Dr. Anıl Can DUMAN								



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