

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY  
COURSE SYLLABUS

Course Details						
<b>Code</b>				<b>Academic Year</b>	<b>Semester</b>	
EBT401				4	7	
<b>Title</b>	<b>T</b>	<b>A</b>	<b>L</b>	<b>ECTS</b>		
Project I (Thesis Preparation and Seminar)	4	1	0	6		
<b>Language</b>	German					
<b>Level</b>	<b>Undergraduate</b>	X	<b>Graduate</b>		<b>Postgraduate</b>	
<b>Department / Program</b>	Energy Science and Technology					
<b>Forms of Teaching and Learning</b>	Face-to-face					
<b>Course Type</b>	<b>Compulsory</b>	X	<b>Elective</b>			
<b>Objectives</b>	The course aims to enhance students' academic writing skills as well as their project presentation and communication skills.					
<b>Content</b>	The course includes developing students' professional academic writing skills by brainstorming their thoughts, writing, classifying, and organizing them, as well as using direct quotations, paraphrases, and summaries from sources in their essays. At the end of the course, it aims to enable students to write two basic essay types (Cause and Effect and Argumentative essays) based on research findings.					
<b>Prerequisites</b>	None					
<b>Coordinator</b>	Dr. Meltem KARAİSMAİLOĞLU ELİBOL					
<b>Lecturer(s)</b>	Dr. Meltem KARAİSMAİLOĞLU ELİBOL					
<b>Assistant(s)</b>	None					
<b>Work Placement</b>	None					
Recommended or Required Reading						
<b>Books / Lecture Notes</b>	Lecture notes					
<b>Other Sources</b>	None					
Additional Course Material						
<b>Documents</b>						
<b>Assignments</b>	1 Project					
<b>Exams</b>						
Course Composition						
<b>Mathematics and Basic Sciences</b>				-	%	
<b>Engineering</b>				-	%	
<b>Engineering Design</b>				-	%	

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Social Sciences	-	%
Educational Sciences	100	%
Natural Sciences	-	%
Health Sciences	-	%
Expert Knowledge	-	%
<b>Assessment</b>		
<b>Activity</b>	<b>Count</b>	<b>Percentage (%)</b>
Midterm Exam	-	-
Quiz	-	-
Assignments	-	-
Attendance	-	-
Recitations	-	-
Projects	1	100
Final Exam	-	-
<b>Total</b>		<b>100</b>

<b>ECTS Points and Work Load</b>			
Activity	Count	Duration	Work Load (Hours)
Lectures	14	1	14
Self-Study	14	4	56
Assignments	-	-	-
Presentation / Seminar Preparation	1	15	15
Midterm Exam	-	-	-
Recitations	-	-	-
Laboratory	-	-	-
Projects	1	95	95
Final Exam	-	-	-
<b>Total Work Load</b>			<b>180</b>
<b>ECTS Points (Total Work Load / Hour)</b>			<b>6</b>

<b>Learning Outcomes</b>	
1	Students prepare study programs aimed at identifying and analyzing problems related to a specific topic.
2	Students conduct in-depth research on theoretical knowledge and develop their own original perspectives through literature review.
3	Students develop their skills in conducting their own analysis and presenting solutions.
4	Students learn data analysis and interpretation processes, gaining the ability to compare their findings with the literature and evaluate them more deeply.
5	Students enhance their critical thinking skills, thereby increasing their ability to find innovative solutions to problems.

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6	Students report on every stage of the project process both in writing and orally.
<b>Weekly Content</b>	
1	Introduction to project
2	Project methods
3	Project methods
4	Literature review
5	Literature review
6	Examination of sources
7	Discussion of current state of work
8	Midterm presentation/Midterm exam
9	Discussion of current state of work
10	Observation of applications in the study
11	Organization of the study and content analysis
12	Organization of the study and content analysis
13	Evaluation of the final version of the study
14	Presentations
15	Submission of the project report

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

	P1	P2	P3	P4	P5	P6	P7	P8	P9
1	4	4	4	4	4	4	3	4	4
2	5	4	3	4	4	4	3	4	4
3	5	4	4	4	4	4	3	3	5
4	4	4	3	4	3	4	3	4	5
5	3	4	4	3	4	4	3	4	4
6	4	4	4	4	4	4	3	4	5

Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High

**Compiled by:**

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