

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGIES
COURSE SYLLABUS

Course Details					
Code		Academic Year			Semester
EBT404		4			8
Title		T	A	L	ECTS
Seminar		2	0	0	2
Language					
Language		German			
Level		Undergraduate	X	Graduate	Postgraduate
Department / Program		Energy Science and Technology			
Forms of Teaching and Learning		Face-to-face			
Course Type		Compulsory	X	Elective	
Objectives		The objective of the course is to enable students to prepare a study on a topic they are proficient in or a thesis-related subject that contributes to the educational process, in accordance with scientific research methods. It aims to develop their ability to speak, present, discuss, and communicate effectively in front of a group.			
Content		At the beginning of the semester in which the seminar course is taken, students conduct a literature review on a topic they are proficient in or related to their thesis work. Together with the instructor of the seminar course, they determine a seminar topic. During the process of selecting the seminar topic, all relevant scientific works, including books, theses conducted nationally and internationally, articles, and similar studies, are reviewed. In the following weeks of the seminar term, the student presents their work on the seminar topic to the instructor. The instructor reviews the presented work with the student and provides guidance by making necessary corrections, such as additions and omissions.			
Prerequisites					
Coordinator		Assist. Prof. Dr. Gülsüm Gündoğdu			
Lecturer(s)		Assist. Prof. Dr. Gülsüm Gündoğdu			
Assistant(s)					
Work Placement		No			
Recommended or Required Reading					
Books / Lecture Notes		Course notes			
Other Sources					
Additional Course Material					
Documents					
Assignments		1 Seminar			
Exams					
Course Composition					

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGIES
COURSE SYLLABUS

Mathematics und Basic Sciences	10	%	
Engineering		%	
Engineering Design		%	
Social Sciences		%	
Educational Sciences	10	%	
Natural Sciences		%	
Health Sciences		%	
Expert Knowledge	80	%	
Assessment			
Activity	Count	Percentage (%)	
Midterm Exam			
Quiz			
Assignments			
Attendance			
Recitations			
Projects	1	100	
Final Exam			
	Total	100	
ECTS Points and Work Load			
Activity	Count	Duration	Work Load (Hours)
Lectures	14	4	28
Self-Study	12	2	24
Assignments			
Presentation / Seminar Preparation	1	4	4
Midterm Exam			
Recitations			
Laboratory			
Projects			
Final Exam			
		Total Workload	56
		ECTS Points (Total Work Load / Hours)	2
Learning Outcomes			
1	The student will gain awareness of professional, academic, and ethical responsibilities, be able to develop these values, and apply them in their professional life.		
2	The student will acquire research, communication, and presentation skills both individually and as part of a team in their field of expertise.		

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGIES
COURSE SYLLABUS

3	The student will define concepts related to thesis writing and presentation, understand theoretical and practical management processes, and be able to apply them.
4	The student will prepare a study on a topic they are proficient in or related to their thesis, in accordance with scientific research methods, and develop their ability to speak, present, discuss, and communicate effectively in front of a group, thus contributing to the educational process.
5	The student will gain proficiency in following conference and presentation techniques, engaging in discussions, and researching and managing sources effectively.

Weekly Content

1	At the beginning of the seminar course, students conduct a literature review on a topic they are familiar with or related to their thesis work, and, together with the instructor, determine a seminar topic.
2	In the process of determining the seminar topic, books, theses, articles, and other scientific works, both domestic and international, related to the topic are reviewed.
3	The student prepares the seminar.
4	The student prepares the seminar.
5	The student prepares the seminar.
6	The student prepares the seminar.
7	The student prepares the seminar.
8	In the later weeks of the seminar period, the work related to the seminar topic is presented by the student to the instructor.
9	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
10	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
11	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
12	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
13	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
14	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
15	The instructor reviews the work presented by the student, provides guidance, and makes necessary corrections through additions and deletions.
16	Seminar

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

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

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

<https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=EN&curSunit=5706>

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Date of Compilation:	24.01.2025
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