

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGIES COURSE SYLLABUS

Course Details								
Code			Academic Year			Semester		
EBT401		4			7			
Title		Т	Α	L	ECTS			
Project I (Thesis Prepara		4	1	0	6			
Language	German							
Level	Undergraduate	Х	Graduate		P	ostgra e	duat	
Department / Program	Energy Science and Te	echnology						
Forms of Teaching and Learning	Face-to-face							
Course Type	Compulsory	x	Elective					
Objectives	The course aims to develop students' academic writing skills as well as their project presentation and communication techniques.							
Content	It seeks to enhance students' professional academic writing abilities by encouraging them to brainstorm, write, classify, and organize their thoughts, while also using sources to integrate direct quotations, paraphrases, and summaries into their essays. By the end of the course, students are expected to be able to write two basic types of essays (Cause and Effect and Argumentative essays) based on their research findings.							
Prerequisites								
Coordinator	Assist. Prof. Dr. Meltem Karaismailoğlu Elibol							
Lecturer(s)	Assist. Prof. Dr. Meltem Karaismailoğlu Elibol							
Assistant(s)								
Work Placement	No							
Recommended or Re	quired Reading							
Books / Lecture Notes	Course notes and slides							
Other Sources								
Additional Course Material								
Documents								
Assignments	1 Project							
Exams								
Course Composition								
Mathematics und Basic Sciences							%	
Engineering	%							



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COURSE STLLABUS								
Engineering	Design			%				
Social Science	ces			%				
Educational	Sciences		100	%				
Natural Scie	ences			%				
Health Scien	nces			%				
Expert Know	vledge		%					
Assessmen	it							
Activi	ity		Count	Percentage (%)				
Midterm Exa	am							
Quiz								
Assignments	s							
Attendance								
Recitations								
Projects			1	100				
Final Exam	Final Exam							
			Total	100				
ECTS Points and Work Load								
Activi	ity	Count	Duration	Work Load (Hours)				
Lectures		14	4	56				
Lectures Self-Study		14 14	2	56 28				
Self-Study Assignments								
Self-Study Assignments Presentation	n /	14	2	28				
Self-Study Assignments	n / eparation	14 -	-	-				
Self-Study Assignments Presentation Seminar Pre	n / eparation	14 - 1	2 - 14	28 - 14				
Self-Study Assignments Presentation Seminar Pre Midterm Exa	n / eparation	14 - 1 -	2 - 14 -	28 - 14 -				
Self-Study Assignments Presentation Seminar Pre Midterm Exa	n / eparation	14 - 1 -	2 - 14 -	28 - 14 -				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory	n / eparation	14 - 1 - 1	2 - 14 - 14 -	28 - 14 - 14 -				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects	n / eparation	14 - 1 - 1	2 - 14 - 14 -	28 - 14 - 14 -				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects	n / eparation	14 - 1 - 1	2 - 14 - 14 - 14 - 7 - 7	28 - 14 - 14 - 56 -				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects	n / eparation am	14 - 1 - 1	2 - 14 - 14 - 14 - 7 - Total Work Load	28 - 14 - 14 - 56 - 168				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects Final Exam	utcomes	14 - 1 - 1 - 8 -	2 - 14 - 14 - 14 - 7 - Total Work Load	28 - 14 - 14 - 14 - 56 - 168 6				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects Final Exam	utcomes Students Students	14 - 1 - 1 - 8 - prepare study programs	2 - 14 - 14 - 14 - 14 - 7 - 7 - Total Work Load ECTS Points (Total Work Load / Hours)	28 - 14 - 14 - 14 - 56 - 168 6				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects Final Exam Learning Out	utcomes Students literature	14 - 1 - 1 - 1 - 8 - prepare study programs conduct in-depth researe reviews.	2 - 14 - 14 - 14 - 14 - 7 - Total Work Load ECTS Points (Total Work Load / Hours)	28 - 14 - 14 - 14 - 56 - 168 6				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects Final Exam Learning Or 1 2 3	utcomes Students Students Students Students Students Students	14 - 1 - 1 - 8 - prepare study programs conduct in-depth researe reviews. enhance their skills in collearn data analysis and	2 - 14 - 14 - 14 - 14 - 7 - Total Work Load ECTS Points (Total Work Load / Hours) saimed at identifying and solving problems on a specific rch on theoretical knowledge and develop their unique producting their own analyses and proposing solutions. Interpretation processes, gaining the ability to evaluate interpretation processes.	28 - 14 - 14 - 14 - 56 - 168 6 topic. perspectives through				
Self-Study Assignments Presentation Seminar Pre Midterm Exa Recitations Laboratory Projects Final Exam Learning Or 1	utcomes Students Students Students Students Students Students Students	14 - 1 - 1 - 8 - prepare study programs conduct in-depth researe reviews. enhance their skills in co	2 - 14 - 14 - 14 - 14 - 7 - Total Work Load ECTS Points (Total Work Load / Hours) saimed at identifying and solving problems on a specific rch on theoretical knowledge and develop their unique producting their own analyses and proposing solutions. Interpretation processes, gaining the ability to evaluate interpretation processes.	28 - 14 - 14 - 14 - 56 - 168 6 topic. berspectives through				



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Introduction to Project Work	6	Students report each stage of the project process both in written and oral formats.								
2	Weekly Content									
A	1	Introduction to Project Work								
A	2	Project Methods								
S	3	Project N								
5 Literature Review 6 Examination of Sources 7 Discussion of Current Progress 8 Presentation 9 Discussion of Current Progress 10 Observation of Applications in the Study 11 Organization and Content Analysis of the Study 12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project Contribution of Learning Outcomes to Program Objectives (1-5) Contribution of Learning Outcomes to Program Objectives (1-5) P P P P P P P P P P P P P P P P P P P	4									
6										
7 Discussion of Current Progress 8 Presentation 9 Discussion of Current Progress 10 Observation of Applications in the Study 11 Organization and Content Analysis of the Study 12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project Contribution of Learning Outcomes to Program Objectives (1-5) Contribution of Learning Outcomes to Program Objectives (1-5) 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Examinat	ion of Sourc	es						
8										
9 Discussion of Current Progress 10 Observation of Applications in the Study 11 Organization and Content Analysis of the Study 12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project Contribution of Learning Outcomes to Program Objectives (1-5) Contribution of Learning Outcomes to Program Objectives (1-5) 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4										
10 Observation of Applications in the Study 11 Organization and Content Analysis of the Study 12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project 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 4 4 4 3 4 4 4 4 4 4 4 4 4	8									
11 Organization and Content Analysis of the Study 12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project Contribution of Learning Outcomes to Program Objectives (1-5) 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 4 4 3 4 4 4 4 4 4 4 4 4 4	9		Discussion of Current Progress							
12 Organization and Content Analysis of the Study 13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project 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 4 3 4 4 4 4 4 4 4 4 4 4 4	10	Observation of Applications in the Study								
13 Evaluation of the Final Version of the Study 14 Presentation 15 Presentation 16 Project 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 4 3 4 4 4 4 4 4 4 4 4 4 4	11	Organization and Content Analysis of the Study								
14	12	Organization and Content Analysis of the Study								
15	13	Evaluation of the Final Version of the Study								
Project Contribution of Learning Outcomes to Program Objectives (1-5) P1	14	Presentation								
P1	15	Presentation								
Contribution of Learning Outcomes to Program Objectives (1-5) P1 P2 P3 P4 P5 P6 P7 P8 P9 1 4 4 4 4 3 4 4 2 5 4 3 4 4 3 4 4 3 5 4 4 4 4 3 3 5 4 4 4 3 4 3 4 5 5 3 4 4 3 4 4 4 4 4 6 4 4 4 4 4 3 4 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	16	Project								
P1 P2 P3 P4 P5 P6 P7 P8 P9 1 4 4 4 4 4 3 4 4 2 5 4 3 4 4 4 3 4 4 3 5 4 4 4 4 3 3 5 4 4 4 3 4 3 4 5 5 3 4 4 3 4 3 4 4 6 4 4 4 4 4 3 4 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										
1 4 3 5 5 4 4 4 4 4 3 4 5 5 3 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 5 6 4 4 4 4 4 4 4 4 4 5 6 Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1: Low 2: Low-intermediate 4: High 5: Very High 1:							P6	P7	P8	P9
3 5 4 4 4 4 4 3 3 5 4 4 4 3 4 3 4 5 5 3 4 4 3 4 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 https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=EN&curSunit=5706	1	4	4		4	4	4	3	4	
4 4 4 3 4 3 4 5 5 3 4 4 3 4 4 4 4 4 4 4 4 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	2	5	4	3	4	4	4	3	4	4
5 3 4 4 3 4 4 4 4 4 4 4 4 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	3	5	4	4	4	4	4	3	3	5
6 4 4 4 4 4 4 3 4 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	4	4	4	3	4	3	4	3	4	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	5	3	4	4	3	4	4	3	4	4
https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=EN&curSunit=5706	6	4	4	4	4	4	4	3	4	5
	Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High									
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Date of Compilation: 24.01.2025	Date of Com									



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