

DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY COURSE SYLLABUS

Course Details									
Code				Acad	Academic Year			Semester	
NWI401				4	4			7	
Title				т	Α	L	ECTS		
Scientific Study Methods				2	0	0	2		
Language	German								
Level	Undergraduate X Graduate Postgraduate								
Department / Program	Department of Energy Science and Technology (German)								
Forms of Teaching and Learning	Face to Face								
Course Type	Compulsory X				Elective				
Objectives	To provide the student with the ability to analyze the problem/system with which he/she is dealing and to develop solution ideas considering theoretical knowledge. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. The student will communicate his/her study efficiently, verbal and written, so he/she will learn to express himself/herself better.								
Content	İ. To provide the student with the ability to analyze the problem/system with which he/she is dealing and to develop solution ideas considering theoretical knowledge. İİ. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. İİİ. The student will communicate his/her study efficiently, verbal and written, so he/she will learn to express himself/herself better.								
Prerequisites									
Coordinator									
Lecturer(s)									
Assistant(s)									
Work Placement	No								
Recommended or Required Re	eading								
Books / Lecture Notes									
Other Sources									
Additional Course Material									
Documents									
Assignments									
Exams									
Course Composition									
Mathematics und Basic Sciences							%		
Engineering	40 %								
Engineering Design	40 %								



DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY COURSE SYLLABUS

Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge	20	%
Assessment		
Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz	0	0
Assignments	0	0
Attendance	0	0
Recitations	0	0
Projects	0	0
Projects Final Exam	0 1	0 60

Activity	Count	Duration	Work Load (Hours)			
Lectures	14	2	28			
Self-Study	5	4	20			
Assignments						
Presentation / Seminar Preparation	1	10	10			
Midterm Exam	1	2	2			
Recitations						
Laboratory						
Projects						
Final Exam	1	2	2			
	62					
	2					

Learning Outco	omes
1	Formulate and analyze a problem by examining the current status
2	Develop applicable suggestions and/or solution methods for the problem dealt with, considering theoretical knowledge.
3	Gain the ability to implement a solution method to an existing problem and will be able to evaluate the results.
4	Learn to express himself/herself by reporting and presenting the work.
5	Learn to defend the idea that underlines the results of the study.
Weekly Conte	nt



DEPARTMENT OF ENERGY SCIENCE AND TECHNOLOGY

COURSE SYLLABUS

1	Project work, literature search, presentations of exemplary studies from the methods of Materials science;						
Contribution of Learning Outcomes to Program Objectives (1-5)							
	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 Lev	el	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High					
Compiled by:							
Date of Compilat	tion:						