

## DEPARTMENT OF MATERIALS SCIENCE AND TECHOLOGY **COURSE SYLLABUS**

Course Details								
Code				Acade	Academic Year		Semester	
NWI401				4	4		7	
Title					Α	L	ECTS	
Scientific Study Methods					0	0	2	
Language	German							
Level	Undergraduate X Graduate				P	ostgra	duate	
Department / Program	Materials Science and Technology							
Forms of Teaching and Learning	Face to face							
Course Type	Compulsory		х	Ele	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	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. II. To provide a useful experience through a self study to take the first step to his/her new career which will start after graduation. III. 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)	Asist Prof.Dr. Duygu Ekinci							
Assistant(s)								
Work Placement	No							
Recommended or Required Reading								
Books / Lecture Notes								
Other Sources								
Additional Course Material								
Documents								
Assignments								
Exams								
Course Composition								
Mathematics und Basic Sciences	%					%		
Engineering							40%	



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Engineering Design		40%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		20%
Assessment		
Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz		
Assignments		
Attendance		
Recitations		
Projects		
Final Exam	1	60
	Total	100
ECTS Points and Work Load		

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 Outcomes1Formulate and analyze a problem by examining the current status2Develop applicable suggestions and/or solution methods for the problem dealt with, considering theoretical knowledge.3Gain the ability to implement a solution method to an existing problem and will be able to evaluate the results.4Learn to express himself/herself by reporting and presenting the work.5Learn to defend the idea that underlines the results of the study.



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6							
7							
8							
9							
10							
11							
12							
Weekly Conter	nt						
1	Project work, l	iterature search	, presentations	of exemplary st	udies from the n	nethods of Mate	erials science;
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
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							



## DEPARTMENT OF MATERIALS SCIENCE AND TECHOLOGY

**COURSE SYLLABUS** 

11							
12							
Contribution Level 1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High							
Compiled by:							
Date of Compilat	ion:						