

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

Course Details								
Code				Acad	emic Ye	ar	Semester	
MWT402				4			8	
Title				Т	Α	L	ECTS	
Project II (Bachelor Thesis)				1	0	7	12	
Language	German			-				
Level	Undergraduate	Undergraduate X Graduate Postgraduate						
Department / Program	Materials Science and Technology							
Forms of Teaching and Learning	Face to face							
Course Type	Compulsory		х	Ele	ctive			
Objectives	dealing and to deve experience throug after graduation. T	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	dealing and to dev useful experience t start after graduati	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	MWT401							
Coordinator	Asist Prof.Dr. Duyg	u Ekinci						
Lecturer(s)								
Assistant(s)								
Work Placement	No							
Recommended or Required R	eading							
Books / Lecture Notes	Scientific Journals a	nd Books rel	ated to the fiel	d				
Other Sources	Will be disseminate	d to the stud	ents in digital	form				
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		
Quiz		
•		
Assignments		
Assignments		
Assignments Attendance	1	100
Assignments Attendance Recitations	1	100

Activity	Count	Duration	Work Load (Hours)
Lectures	14	4	56
Self-Study	14	16	224
Assignments			
Presentation / Seminar Preparation	1	35	35
Midterm Exam			
Recitations			
Laboratory			
Projects			
Final Exam	1	40	40
		Total Work Load	355
	ECTS Po	ints (Total Work Load / Hours)	12

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.



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Weekly Conten	ıt						
1	and process de	evelopment - Au	tomation - Prod	luction / produc	tion planning - A	velopment / R& Assembly - Main ty control and q	tenance and
2	and process de	evelopment - Au	tomation - Prod	luction / produc	tion planning - A	velopment / R& Assembly - Main ty control and q	tenance and
3	Designing the i	nstruments/too	ls etc. to achive	the objective /	formulating solu	ution alternative	s
4	Designing the i	nstruments/too	ls etc. to achive	the objective /	formulating solu	ution alternative	S
5	Designing the i	nstruments/too	ls etc. to achive	the objective /	formulating solu	ution alternative	S
6	Evaluate altern	natives (use the	relevant backgro	ound data) and	choose a solutio	n	
7	Evaluate altern	natives (use the	relevant backgro	ound data) and	choose a solutio	n	
8	Implementatio	n of the solutio	n (optional)				
9	Implementatio	n of the solutio	n (optional)				
10	Implementatio	n of the solutio	n (optional)				
11	Discussion of t	he results and ir	nplications (glol	oal, economic,so	ocial, environme	ntal) of your III s	olution
12	Discussion of the results and implications (global, economic, social, environmental) of your III solution						
13	Report the stu	Report the study and the findings					
14	Report the study and the findings						
15							
Contribution of	f Learning Out	comes to Prog	ram Objective	s (1-5)			
	P1	P2	P3	P4	Р5	P6	P7
1	5	5	5	5	5	5	5
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DEPARTMENT OF MATERIALS SCIENCE AND TECHOLOGY S

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Contribution Lev	/el	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High					
Compiled by:							