

Course Details									
Code					Academic Year			Semester	
MWT402	4	4 2							
Title	Т	Α	L	ECTS					
Project II (Bachelor Thesis)					7		12		
Language	German								
Level	Undergraduate X Graduate					Postgra	aduate		
Department / Program	Department of Mater	ial Science	and Technolo	gy					
Forms of Teaching and Learning	Face to Face								
Course Type	Compulsory X			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	i. 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	( MWT401 )								
Coordinator	Asist Prof.Dr. Duygu Ekinci								
Lecturer(s)	Asist Prof.Dr. ÇAĞATAY ELİBOL								
Assistant(s)									
Work Placement									
Recommended or Required Reading									
Books / Lecture Notes	Scientific Journals and Books related to the field								
Other Sources	Will be disseminated to the students in digital form								
Additional Course Material									
Documents									
Assignments									
Exams									
Course Composition									
Mathematics und Basic Sciences				%					
Engineering	Engineering					40%			



COURSE SYLLABUS									
Engineering Desi	ign		40%						
Social Sciences			%						
<b>Educational Scie</b>	nces		%						
Natural Sciences	1		%						
Health Sciences			%						
Expert Knowledg	ge	20%							
Assessment									
Activit	ty	Count Percentage							
Midterm Exam									
Quiz									
Assignments									
Attendance									
Recitations									
Projects			100						
Final Exam									
Total 100									
ECTS Points and Work Load									
Activity		Count	Duration	Work Load (Hours)					
Lectures		14	4	56					
Self-Study		14	16	224					
Jen Jeauy		14	10	22 1					
Assignments		17	10						
Assignments Presentation / So	eminar	1	35	35					
Assignments Presentation / So	eminar		-						
Assignments Presentation / So	eminar		-						
Assignments Presentation / Software Preparation Midterm Exam Recitations	eminar		-						
Assignments Presentation / Soft Preparation Midterm Exam Recitations Laboratory	eminar		-						
Assignments Presentation / Software Preparation Midterm Exam Recitations	eminar		-						
Assignments Presentation / Soften Preparation Midterm Exam Recitations Laboratory Projects	eminar	1	35	35					
Assignments Presentation / Soften Preparation Midterm Exam Recitations Laboratory Projects	eminar	1	35	35					
Assignments Presentation / Soften Preparation Midterm Exam Recitations Laboratory Projects Final Exam		1	35 40 Total Work Load	35 40 355					
Assignments  Presentation / Sopreparation  Midterm Exam  Recitations  Laboratory  Projects  Final Exam	omes	1 1 ECT	35  40  Total Work Load TS Points (Total Work Load / Hours)	35 40 355					
Assignments Presentation / Sopreparation Midterm Exam Recitations Laboratory Projects Final Exam  Learning Outcomes	o <b>mes</b> Formulate a	1  1  ECT  and analyze a problem by example of the state	35  40  Total Work Load TS Points (Total Work Load / Hours)	40 355 12					
Assignments  Presentation / Sopreparation  Midterm Exam  Recitations  Laboratory  Projects  Final Exam	omes  Formulate a  Develop application of the control of the contr	1  ECT  and analyze a problem by exactlicable suggestions and/or s	35  40  Total Work Load  TS Points (Total Work Load / Hours)  amining the current status solution methods for the problem dea	35 40 355 12 It with, considering theoretical					
Assignments Presentation / Sopreparation Midterm Exam Recitations Laboratory Projects Final Exam  Learning Outcomes	omes  Formulate a  Develop application of the control of the contr	1  ECT  and analyze a problem by exactlicable suggestions and/or s	35  40  Total Work Load  TS Points (Total Work Load / Hours)  amining the current status	35 40 355 12 It with, considering theoretical					
Assignments Presentation / Sopreparation Midterm Exam Recitations Laboratory Projects Final Exam  Learning Outcomes	Formulate a Develop apple knowledge. Gain the ab results.	1  ECT and analyze a problem by exactle of the suggestions and/or solicable suggestions and/or solicity to implement a solution	35  40  Total Work Load  TS Points (Total Work Load / Hours)  amining the current status solution methods for the problem dea	35 40 355 12 It with, considering theoretical					
Assignments Presentation / So Preparation Midterm Exam Recitations Laboratory Projects Final Exam  Learning Outco	Pomes  Formulate a  Develop apple knowledge.  Gain the ab results.  Learn to exp	1  ECT and analyze a problem by exactle of the suggestions and/or solicable suggestions and/or solicity to implement a solution	40  Total Work Load TS Points (Total Work Load / Hours)  amining the current status solution methods for the problem dea method to an existing problem and we porting and presenting the work.	35 40 355 12 It with, considering theoretical					



6										
7										
8										
9										
10										
11										
12										
Weekly Conten	t									
1	Selected study topics in the application areas of Material Science - Product development / R&D - Materials and process development - Automation - Production / production planning - Assembly - Maintenance and overhaul - Project planning - Design and analysis - Test and verification - Quality control and quality management									
2	and process	development roject plannin	- Automation	areas of Mate - Production , I analysis - Tes	production p	lanning - Asse	mbly - Mainte	nance and		
3	Designing th	ne instruments	/tools etc. to	achive the obj	ective / formu	llating solutior	n alternatives			
4	Designing th	ne instruments	/tools etc. to	achive the obj	ective / formu	lating solutior	n alternatives			
5	Designing th	ne instruments	/tools etc. to	achive the obj	ective / formu	llating solution	n alternatives			
6	Evaluate alternatives (use the relevant background data) and choose a solution									
7	Evaluate alternatives (use the relevant background data) and choose a solution									
8	Implementation of the solution (optional)									
9	Implementation of the solution (optional)									
10	Implementation of the solution (optional)									
11	Discussion of the results and implications (global, economic, social, environmental) of your III solution									
12	Discussion of the results and implications (global, economic, social, environmental) of your III solution									
13	Report the study and the findings									
14	Report the study and the findings									
15										
Contribution of Learning Outcomes to Program Objectives (1-5)										
	P1	P2	Р3	P4	P5	P6	P7	P8		
1	5	5	5	5	5	5	5	5		
2										
3										
5										
6										
7										



CO 01/32 31 EL 1503								
8								
9								
10								
11								
12								
Contribution Lev	rel	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High						
https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=en&curSunit=207								
Compiled by:		Res. Asst. Gökçe Evren						
Date of Compilat	tion:	25.04.2022						