

DEPARTMENT OF MATERIALS SCIENCE AND TECHNOLOGY
COURSE SYLLABUS

Course Details				
Code		Academic Year		Semester
PRK400		4		2
Title		T	A	L
Internship		2		5
Language	German			
Level	Undergraduate	X	Graduate	Postgraduate
Department / Program	Department of Material Science and Technology			
Forms of Teaching and Learning	Face to Face			
Course Type	Compulsory	X	Elective	
Objectives	Gathering knowledge and experience in the application fields of Material Science.			
Content	<p>Selected study topics in the application areas of Material Science</p> <ul style="list-style-type: none"> - 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 			
Prerequisites				
Coordinator	Asist Prof.Dr. Çağla Söz			
Lecturer(s)	Associate Prof.Dr. ERGÜN KELEŞOĞLU			
Assistant(s)				
Work Placement				
Recommended or Required Reading				
Books / Lecture Notes				
Other Sources				
Additional Course Material				
Documents				
Assignments				
Exams				
Course Composition				

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Mathematics und Basic Sciences		%
Engineering		30%
Engineering Design		30%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		40%

Assessment

Activity	Count	Percentage (%)
Midterm Exam		
Quiz		
Assignments		
Attendance		
Recitations		
Projects	1	100
Final Exam		
Total		100

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures			
Self-Study	8	12	96
Assignments			
Presentation / Seminar Preparation			
Midterm Exam			
Recitations			
Laboratory			
Projects	1	20	20
Final Exam			
Total Work Load			116
ECTS Points (Total Work Load / Hours)			4

Learning Outcomes

1	Gathering experience in the application areas of Material Science
2	Gathering experience in work flow and work processes
3	Gathering experience in planning and timing

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4	Taking responsibility in working environment
5	Getting experience in team work
6	Getting experience about work safety
7	
8	
9	
10	
11	
12	

Weekly Content

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
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10	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
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12	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
13	
14	
15	

Contribution of Learning Outcomes to Program Objectives (1-5)

	P1	P2	P3	P4	P5	P6	P7	P8
1	5	5	5	5	5	5	5	5
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

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=207>

Compiled by: Res. Asst. Gökçe Evren

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