

Course Description Form	
Course Code and Name	MM399 SUMMER PRACTICE I
Course Semester	5
Catalog Content	İmalat tekniklerinin gözlemlenmesi ve incelenmesi, Öğrencilere fabrikalarda kullanılan ısı sistemleri hakkında tecrübe kazandırmak, Öğrencilere fabrikalarda kullanılan mekanik sistemler hakkında tecrübe kazandırmak.
Textbook	Ostwald and Munoz, Manufacturing Processes and Systems, 9th Ed., John Wiley & Sons, 1997. Groover, Automation, Production Systems, and Computer Integr
Supplementary Textbooks	
Credit	2
Prerequisites of the Course (Attendance Requirements)	-
Type of the Course	Compulsory
Instruction Language	English
Course Objectives	To understand the role of mechanical engineers in industry.
Course Learning Outcomes	<ol style="list-style-type: none"> 1. Learns real hands-on experience in the manufacturing processes. 2. Learns real hands-on experience in the engineering metrology. 3. Understands the role of mechanical engineers in industry. 4. Prepares them for working life.
Instruction Methods	The mode of delivery of this course is face to face
Weekly Schedule	<ol style="list-style-type: none"> 1. Week Learning the organization in general such as engineering departments, non-engineering departments, number of engineers, number of workers, etc.. 2. Week Observation and analysis of engineering metrology techniques. Practicing on engineering metrology. 3. Week Observation and analysis of engineering metrology techniques. Practicing on engineering metrology. 4. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 5. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding 6. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 7. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding 8. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 9. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 10. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 11. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work,

	metal forming, welding, 12. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 13. Week Observation and analysis of manufacturing techniques. Practicing on manufacturing processes such as machining, foundry work, metal forming, welding, 14. Week Preparation of a report to reflect the analysis, observation, and work carried out.			
Teaching and Learning Methods <i>(These are examples. Please fill which activities you use in the course)</i>	Practice			
Assessment Criteria		Quantity	Percentage	
	Mid-terms	0	0	
	Assignment	0	0	
	Exercises	0	0	
	Projects	0	0	
	Practice	1	0	
	Quiz	0	0	
	Contribution of In-term Studies to Overall Grade		100	
	Contribution of Final Examination to Overall Grade		0	
Workload	Efficiency	Total Week Count	Weekly Duration (in hour)	Total Workload in Semester
	Theoretical Study Hours of Course Per Week			0
	Practising Hours of Course Per Week			0
	Reading			0
	Searching in Internet and Library			0
	Designing and Applying Materials			0
	Preparing Reports	2	5	10
	Preparing Presentation			0
	Presentation			0
	Mid-Term and Studying for Mid-Term			0
	Final and Studying for Final			0
	Other	2	20	40

	TOTAL WORKLOAD:	50					
	TOTAL WORKLOAD / 25:	2					
	ECTS:	2					
Contribution Level Between Course Learning Outcomes and Program Outcomes	NO	PROGRAM LEARNING OUTCOMES	1	2	3	4	5
	1	Adequate knowledge of subjects specific to mathematics, natural sciences and related engineering disciplines; ability to use theoretical and applied knowledge related to these areas in complex engineering problems.					
	2	Ability to identify, define, formulate, and solve complex engineering problems; ability to select and apply appropriate analysis and modeling methods to this end.					
	3	Ability to design a complex system, process, device or product under realistic constraints and conditions to meet specific requirements; ability to apply modern design methods for this purpose.					
	4	Ability to develop, select and use modern techniques and tools required for the analysis and solution of complex problems encountered in engineering practice; ability to use information technologies effectively.					
	5	Ability to design and conduct experiments, collect data, analyze and interpret results to investigate complex engineering problems or discipline-specific research topics					
	6	Ability to work effectively in disciplinary and multi-disciplinary teams; ability to work individually.					
	7	Ability to communicate effectively in Turkish, both orally and in writing; knowledge of at least one foreign language; the ability to write effective reports and understand written reports, to prepare design and production reports, to deliver effective presentations, to give and receive clear and understandable instructions.			X		
	8	Awareness of the necessity of lifelong learning; the ability to access information, to follow developments in science and technology, and to renew oneself constantly.					
	9	Acting in accordance with ethical principles, professional and ethical responsibility; information about standards used in engineering applications.					
	10	Information about business life practices such as project management, risk management and change management; awareness of entrepreneurship, innovation; information about sustainable development.			X		
	11	Knowledge about the universal and social effects of engineering applications on health, environment and safety and the problems of the age reflected in the engineering field; awareness of the legal consequences of engineering solutions.		X			
The Course's Lecturer(s) and Contact Informations	1. pirasaci@gazi.Edu.tr , Dr. Tolga PIRASACI 2. skilicaslan@gazi.edu.tr , Dr. Sinan KILIÇASLAN						