



SYLLABUS

2019-2020 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Campus / Weekly Time & Classroom Schedule
			T	A	L			
MGT4086	Managing Engineering and Technology	Elective	3	0	0	5	5	GOZTEPE
Prerequisite		Prerequisite to						
Course Lecturer		HÜLYA ASLANOĞLU				Office Hours Schedule		
E-mail		hulya.aslanoglu@marmara.edu.tr				Office / Room No		MA117
Phone						Phone		
Teaching Assistant(s)						Office / Room No		
E-mail								
Course Objectives	This course introduces the management functions of planning, organizing, motivating, and controlling; it analyzes the application of these functions in research, design, production, technical marketing, and project management; and it studies evolution of the engineering career and the transition to engineering management.							
Learning Outcomes	<p>To develop an understanding of the nature and role of technology.</p> <p>To develop an understanding of the nature and role of engineering management.</p> <p>To have a significant understanding of the functions of technology management.</p> <p>To develop an appreciation for the different technology management roles throughout the product life cycle.</p> <p>To understand some of the fundamentals of managing technology projects.</p> <p>To understand some of considerations that affects on managing your engineering career.</p>							
Textbooks and/or References	Lucy C. Morse, Daniel L. Babcock, Managing Engineering and Technology, Pearson, Sixth Edition, 2017							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	17.02.2019	Introduction to Engineering Management						
Week 2	24.02.2019	Functions of Management: Leading, Planning and Forecasting						
Week 3	2.03.2019	Functions of Management: Decision Making, Organizing, Controlling						
Week 4	9.03.2019	Managing Technology: Managing Research and Development						
Week 5	16.03.2019	Managing Technology: Managing Engineering Design						
Week 6	23.03.2019	Managing Technology: Managing Production Operations						
Week 7	30.03.2019	Managing Technology: Engineers in Marketing and Service Activities						
Week 8	6.04.2019	Mid-Term Exam						
Week 9	13.04.2019	Managing Projects: Project Planning and Organization						
Week 10	20.04.2019	Managing Projects: Leadership and Control						
Week 11	27.04.2019	Engineering Ethics						
Week 12	4.05.2019	Future Considerations in Engineering and Management						
Week 13	11.05.2019	Managing Engineering Career						
Week 14	18.05.2019	Technical Plant Visit						
Week 15	1.06.2019	Project Presentations						
Week 16	8.06.2019	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		40	0			
	Final Make-up Exam (if exists)	1	--	40	0			
	Semester Evaluation			60	100			
	Midterm(s)	1		30	50.0			
	Quiz(zes)	5	--	10	16.7			
	Project(s)	1	--	20	33.3			
	Homework(s)	0		0	0.0			
	Laboratory	0	--	0	0.0			
Other	0	--	0	0.0				
*** Lifelong Learning Programme (LLP) ***					Language of Instruction: English			
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours		
Theoretical Hours	14	42.0		Applied Hours	0	0.0		
Midterm	0	0.0		Final	0	0.0		
Quiz	0	0.0		Project	1	40.0		
Laboratory	0	0.0		Homework	0	0.0		
Atelier	0	0.0		Seminar	0	0.0		
Field Study	0	0.0		Presentation	1	10.0		
Other	0	0.0		Self Study	0	0.0		
				TOTAL :	16	92.0		
Recommended ECTS Credit (Total Hours / 25) :								