

1. Course Description

COURSE DESCRIPTION FORM	
Course Code and Title	KM485 QUALITY MANAGEMENT SYSTEMS
Course Semester	7
Catalog Description (Content) of the Course	Total quality management, the definition of quality, the quality management and standardization, ISO 9000, 9001, 9004, and other standard series, Application of ISO 9001 to any factory.
Main Textbook	Berry, Thomas H., Managing the Total Quality Transformation, New York, McGraw-Hill, 1991
Supporting Textbooks	<ul style="list-style-type: none"> • Cartin, Thomas J. ,Principles and Practices of TQM, Milwaukee, WI, ASQC Quality Press, 1993. • ISO 14001, Environmental Environmental Management Systems - Specification with guidance for use, International Standard Organization, Switzerland., 1996. • Culley, W.C., Environmental and Quality Systems Integration, CRC Press LCC, 1998.
Course Credit (ECTS)	4
Prerequisites of the Course (Compulsory attendance should be indicated here.)	There is no prerequisite or co-requisite for this course
Type of the Course	Elective
Instruction Language of the Course	Turkish
Object and Target of the Course	Implementation of quality management system aimed to gain qualifications.
Learning Outcomes of the Course	Importance of quality management and systematic working capabilities will be ensured.
Mode of Delivery	The mode of delivery of this course is face to face
Weekly Schedule of the Course	<p>1. Week Introduction: total quality management, definition of quality, what is the quality management, Development of quality management: Historical development</p> <p>2. Week Introduction: total quality management, definition of quality, what is the quality management, Development of quality management: Historical development</p> <p>3. Week ISO 9000 Standard Series: ISO 9001 the others</p> <p>4. Week ISO 9000 Standard Series: ISO 9001 the others</p> <p>5. Week ISO 9000 Standard Series: ISO 9001 the others</p> <p>6. Week ISO 9000 Standard Series: ISO 9001 the others</p> <p>7. Week ISO 9000 Standard Series: ISO 9001 the others</p> <p>8. Week Application of ISO 9001 to any factory ,preparation of instructions and procedures, preparation of forms and the other documents, preparation of quality handbook</p> <p>9. Week Application of ISO 9001 to any factory ,preparation of instructions and procedures, preparation of forms and the other documents, preparation of quality handbook</p> <p>10. Week Application of ISO 9001 to any factory ,preparation of</p>

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		Total work load/25				4.12			
		ECTS of the course				4			
Course's Contribution To Program	No	Program Outcomes	1	2	3	4	5		
	1	Adequate knowledge in mathematics, science and engineering subjects pertaining to the relevant discipline; ability to use theoretical and applied information in these areas to model and solve engineering problems.	X						
	2	Ability to identify, formulate, and solve complex engineering problems; ability to select and apply proper analysis and modeling methods for this purpose.	X						
	3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design methods for this purpose.	X						
	4	Ability to devise, select, and use modern techniques and tools needed for engineering practice; ability to employ information technologies effectively.	X						
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating engineering problems.	X						
	6	Ability to work efficiently in intra-disciplinary teams.					X		
	7	Ability to work efficiently in multi-disciplinary teams;	X						
	8	Ability to work individually.					X		
	9	Ability to communicate effectively in Turkish/English, both orally and in writing; Ability to write effective reports and comprehend written reports, make effective presentations,						X	
	10	prepare design and production reports, give and receive clear and intelligible instructions.						X	
	11	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.						X	
	12	Awareness of professional and ethical responsibility.						X	
	13	Information about business life practices such as project management, risk management, and change management.				X			
14	Information about awareness of entrepreneurship, innovation, and	X							

		sustainable development.						
	15	Knowledge about contemporary issues and the global and societal effects of engineering practices on health, environment, and safety.				X		
	16	Knowledge about awareness of the legal consequences of engineering solutions.	X					
	17	Knowledge on standards used in engineering practice.					X	
Name of Lecturer(s) and Contact Information		<ol style="list-style-type: none"> 1. Prof. Dr. Atilla Murathan murathan@gazi.edu.tr 2. Prof.Dr. Ayşe Murathan amurathan@gazi.edu.tr 						