

1. Course Description

COURSE DESCRIPTION FORM				
Course Code and Title	TOS212-TECHNOLOGICAL MANAGEMENT			
Course Semester	4			
Catalog Description (Content) of the Course	Choice of technology transfer. License agreements. Foreign capital investments. Patent, know-how and trademark agreements. R-D studies, technoparks, technological policies.			
Main Textbook	-			
Supporting Textbooks	• Şimşek, S., (1993), Lisans Anlaşmaları Yoluyla Teknoloji Transferi, TOBB Yayınları • Sarıhan, H.İ., (1998), Teknoloji Yönetimi, Desnet Yayınları.			
Course Credit (ECTS)	3			
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	To provide the industrial engineering student with applications and experiments of technology management methods.			
Learning Outcomes of the Course	Information about business life practices such as project management, risk management, and change management.			
Mode of Delivery	The mode of delivery of this course is Face to face			
Weekly Schedule of the Course	1. Week Terms And Definitions Related With Technology Management 2. Week Technology Selection On Project Base 3. Week General Information About Technology Management 4. Week Technology Transfer By Licence Agreements - I 5. Week Technology Transfer By Licence Agreements - II 6. Week Know-How And Trade Mark Licence Agreements 7. Week Technology Transfer By Direct Foreign Investments/ Midterm Exam I 8. Week Industrial Properties 9. Week Production Of Technology And Research-Development Activities 10. Week University And Industry Cooperations 11. Week Technoparks 12. Week Encouragement Systems Of Technology Production 13. Week Science And Technology Policies / Midterm Exam I 14. Week Country Experiments On Technology Production And Transfer			
Educative Activities <i>(Credit will be determined based on the time given for these activities. Should be filled carefully.)</i>	Theoretical Study Hours of Course Per Week Searching in Internet and Library Preparing Reports Mid-Term and Studying for Mid-Term Final and Studying for Final Other			
Assessment Criteria		Quantity	Total Contribution	

			(%)						
	Midterm	2	40						
	Homework	1	10						
	Exercises	0	0						
	Projects	0	0						
	Practice	0	0						
	Quiz	1	10						
	Contribution of In-term Studies to Overall Grade		60						
	Contribution of Final Examination to Overall Grade		40						
	Attendance								
Workload of the Course	Activity		Total Week Count	Weekly Duration (in hour)	Total Workload in Semester				
	Theoretical Study Hours of Course Per Week		14	3	42				
	Practicing Hours of Course Per Week				0				
	Reading				0				
	Searching in Internet and Library		1	4	4				
	Designing and Applying Materials				0				
	Preparing Reports		1	5	5				
	Preparing Presentation				0				
	Presentation				0				
	Mid-Term and Studying for Mid-Term		2	10	20				
	Final and Studying for Final		1	10	10				
	Other		1	6	6				
	Total work load				87				
	Total work load/25				3,48				
	ECTS of the course				3				
Course's Contribution To Program	Number	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					X		

		methods for this purpose. (Realistic constraints and conditions may include factors such as economic and environmental issues, sustainability, manufacturability, ethics, health, safety issues, and social and political issues, according to the nature of the design.)					
	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.					
	8	Ability to work individually.					
	9	Ability to communicate effectively in Turkish, both orally and in writing; knowledge of a minimum of one foreign language.		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 sustainable development.			X		
	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		1. Prof.Dr.İrfan AR irfanar@gazi.edu.tr					