

1. Course Description

COURSE DESCRIPTION FORM			
Course Code and Title	KM492 GRADUATION RESEARCH PROJECT (SE)		
Course Semester	8		
Catalog Description (Content) of the Course	Bring up the students on a selected topics in chemical engineering and theoretical, experimental, and/or computer-aided studies		
Main Textbook	Library facilities, Internet facilities		
Supporting Textbooks	Contacts with experts and institutions		
Course Credit (ECTS)	6		
Prerequisites of the Course (Compulsory attendance should be indicated here.)	KM491		
Type of the Course	Compulsory		
Instruction Language of the Course	Turkish		
Object and Target of the Course			
Learning Outcomes of the Course	To teach students the basics of an original work by analyzing the results obtained in a meaningful way to present written and oral skills.		
Mode of Delivery	Face to face education		
Weekly Schedule of the Course	1. Week: Study is planned to be programmed 2.-9. Week: Study was to study the creation and execution of the infrastructure 10.-13. Week: Evaluate the results and report writing 14. Week: Preliminaries to make a presentation in front of the jury		
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 Practising Hours of Course Per Week Reading Searching in Internet and Library Designing and Applying Materials Preparing Reports Preparing Presentation Presentation		
Assessment Criteria		Quantity	Total Contribution (%)
	Midterm	0	0
	Homework	0	0
	Assignment	0	0
	Projects	1	100
	Practice	0	0
	Quiz	0	0
	Contribution of In-term Studies to Overall Grade	0	100
	Contribution of Final Examination to Overall Grade	0	0
	Attendance	0	100

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	14	2	28					
	Reading	4	4	16					
	Searching in Internet and Library	3	5	15					
	Designing and Applying Materials	9	5	45					
	Preparing Reports	2	2	4					
	Preparing Presentation	1	4	4					
	Presentation	1	1	1					
	Mid-Term and Studying for Mid-Term	0	0	0					
	Final and Studying for Final	0	0	0					
	Other	0	0	0					
	Total work load			155					
	Total work load/25			6.7					
	ECTS of the course			7					
Course's Contribution To Program	No	Program Learning 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							X

		reports, make effective presentations,					
	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		Head of Chemical Engineering Department kimyamuhendisligi@gazi.edu.tr					