COURSE INFORMATION FORM

SEMESTER Spring

	WEE	KLY COUR	SE PERI	COURSE OF						
SEMESTER	Theory	heory Practice Labor			Credit	ECTS	ТҮРЕ	LANGUAGE		
8	1	4	0)	3	7	COMPULSORY(X) ELECTIVE ()	Turkish		
	COURSE CATAGORY									
Basic Science Basic Engineering			[if it	Social Science						
				ASSESSMENT CRITERIA						
							0	0/		
				Evaluation Type Quantity Mid-Term				%		
				Quiz	21111					
				Homey	vork					
MID-TERM			Project			1	40			
			Report			-				
				()						
FINAL EXAM							1	60		
PREREQUIEITE(S)				Students will experience the process from conceptual design to manufacturing of a mechanical system by preparing a design project.						
COURSE DESCRIPTION				The students will design projects at different areas of mechanical engineering by combining their knowledge on the theoretical and practical training courses.						
COURSE OBJECTIVES				It is an applied study of mechanical engineering on the design						
ADDITIVE OF COURSE TO APPLY PROFESSIONAL EDUATION				 Planning, formulating and organizing of the system design, Questioning, optimizing, simulating of the existing systems, and develop and re-design of the system, Interpreting, presenting, suggesting and reporting the system. 						
COURSE OUTCOMES										
техтвоок										
OTHER REFERENCES										
TOOLS AND	EQUIPM	IENTS REQU	JIRED	D Computer and other laboratory facilities						

COURSE SYLLABUS								
WEEK	TOPICS							
1	General information about design elements, design variables, constraints, needs, conceptual design,							
2	Giving general information about the project							
3	Project advisory							
4	Project advisory							
5	Project advisory							
6	Project advisory							
7	Project advisory							
8	Interim Report Delivery							
9	Project advisory							
10	Project advisory							
11	Project advisory							
12	Project advisory							
13	Project advisory							
14	Project advisory							
15,16	Project Report Delivery and Presentations							

NO	PROGRAM OUTCOMES	3	2	1		
1	Sufficient knowledge of engineering subjects related with mathematics, science and Mechanical Engineering; an ability to apply theoretical and practical knowledge on solving and modeling of Mechanical Engineering problems.		X			
2	Ability to determine, define, formulate and solve complex Mechanical Engineering problems; for that purpose, an ability to select and use convenient analytical and experimental methods.		X			
3	Ability to design a complex system, a component and/or an engineering process under real life constrains or conditions, defined by environmental, economic and political problems; for that purpose, an ability to apply modern design methods.	X				
4	Ability to develop, select and use modern methods and tools required for Mechanical Engineering applications; ability to effective use of information technologies.		X			
5	In order to investigate Mechanical Engineering problems; ability to set up and conduct experiments and ability to analyze and interpretation of experimental results.		X			
6	Ability to work effectively in inner or multi-disciplinary teams; proficiency of interdependence.	X				
7	Ability to communicate in written and oral forms in Turkish/English; proficiency at least one foreign language.		X			
8	Awareness of life-long learning; ability to reach information; follow developments in science and technology and continuous self-improvement.		X			
9	Understanding of professional and ethical issues and taking responsibility		X			
10	Awareness of project, risk and change management; awareness of entrepreneurship, innovativeness and sustainable development.	X				
11	Knowledge of actual problems and effects of engineering applications on health, environment and security in global and social scale; an awareness of juridical results of engineering solutions.	X				
1: Nor	1: None. 2: Partially contribution. 3: Completely contribution.					

Prepared by: Date: 13.12.2021