



Department	Course Name		Course Number	Semester
Mechanical Engineering	Project II for Mechanical Engineers		0974599	
2024 Course Catalog Description				
Project 2 is an extension of the project within the Bachelor of Mechanical Engineering program. In this course, students continue the work on the project that was started in the previous semester, with a focus on improving and developing the various aspects of the project. The course includes preparing a comprehensive technical report that covers all aspects of the project, including economic analysis and environmental assessment, according to the rules and instructions published on the department’s website. In addition, the course pays special attention to developing students’ technical writing skills, as they learn how to prepare technical reports in a professional and accurate manner. They are also trained in presentation skills, as they are required to present a comprehensive summary of the project to a panel of judges, who evaluate the project based on a set of academic and technical criteria. This course aims to prepare students for the transition to the labor market or graduate studies, by emphasizing the importance of combining technical knowledge, practical skills, and competence in preparing engineering projects within a team.				
Instructors				
Name	E-mail	Section	Office Hours	Lecture Time
Prerequisites				
Prerequisites by topic	-			
Prerequisites by course	Project I for Mechanical Engineers 0974598			
Co-requisites by course	-			
Prerequisite for	-			
Topics Covered				
Week	Topics			
1	Minutes of Meeting (1)			
2	Minutes of Meeting (2)			
3	Minutes of Meeting (3)			
4	Minutes of Meeting (4)			
5	Minutes of Meeting (5)			
6	Minutes of Meeting (6)			
7	Minutes of Meeting (7)			
8	Minutes of Meeting (8)			
9	Minutes of Meeting (9)			
10	Minutes of Meeting (10)			
11	Minutes of Meeting (11)			
12	Minutes of Meeting (12)			
13	Minutes of Meeting (13)			
14	Minutes of Meeting (14)			
15	Manuscript, Presentation, and Poster			



Evaluation									
Assessment Tools				Expected Due Date		Weight			
Reports (Evaluated by the Supervisor)						20%			
Format Adherence Committee						5%			
Examination Committee Evaluation						15%			
Presentation Committee Evaluation						20%			
Poster						10%			
Contribution of Course to Meet the Professional Components									
Relationship to Student Outcomes									
SOs	1	2	3	4	5	6	7		
Availability	X	X	X	X	X	X	X		
Relationship to Aeronautical Engineering Program Objectives (MEPOs)									
MEPO1		MEPO2		MEPO3		MEPO4		MEPO5	
ABET Student Outcomes (SOs)									
1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics								
2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors								
3	An ability to communicate effectively with a range of audiences								
4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts								
5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives								
6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions								
7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies								
Updated by ABET Committee, 2025									