The University of Jordan
School of Engineering

Department	Course Name	Course Number	Semester
Mechanical Engineering	Project I for Aeronautical Engineers	0994591	Fall

2025 Course Catalog Description

Provides students the opportunity to individually explore an aeronautical engineering problem or issue within their field of study and apply their education to solving the problem for the benefit of the local community and society as a whole. Students produce a short report that documents the application of previous learning, experience and knowledge to the problem at hand, and evaluates the results.

Instructors

Name	E-mail	Section	Office Hours	Lecture Time

Prerequisites

Prerequisites by topic	
Prerequisites by course	Complete 120 Credit Hrs. Successfully
Co-requisites by course	
Prerequisite for	Project II for Aeronautical Engineers

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	Progress Report

Evaluation

Assessment Tools	Expected Due Date	Weight
Reports (Evaluated by the Supervisor)		20%
Progress Report (Evaluated by the committee)		10%

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Contribution of Course to Meet the Professional Components
This course is important prerequisite course for Project II for Aeronautical Engineers.

Relationship to Student Outcomes

SOs	1	2	3	4	5	6	7
Availability	X			X	X		X

Relationship to Aeronautical Engineering Program Objectives (AEPOs)

AEPO1	AEPO2	AEPO3	AEPO4	AEPO5

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