

The University of Jordan
School of Engineering



Department	Course Name	Course Number	Semester			
Aircraft maintenance Engineering	Licensing Module 10: Aviation Legislation (Part 1)	0994159	Summer			
2025 Course Catalog Description						
Regulatory framework, certifying staff-maintenance, approved maintenance organizations, Air operations, certification of aircraft, parts and appliances.						
Instructors						
Name	E-mail	Sec	Office Hours		Lecture Time	
			Sunday	Tuesday		
MEng. Aasef Hamadneh	ahamadneh@joramco.com.jo		1:00-2:00	1:00-2:00		
Text Books						
Title	Aviation Legislation					
Author(s)	EASA					
Publisher, Year, Edition	Issue 2 , 2024					
References						
Books						
Journals						
Internet links						
Prerequisites						
Prerequisites by topic	-					
Prerequisites by course	-					
Co-requisites by course	-					
Prerequisite for	-					
Topics Covered						
Week	Topics		Chapter in Text			
1	Regulatory framework,		Chapter 1			
2	Certifying staff-maintenance,		Chapter 2			
3-4	Approved maintenance organizations,		Chapter 3			
5-6	Air operations,		Chapter 4			
6-7	Air operations,		Chapter 4			
7-8	Independent Certifying staff,		Chapter 5			
9-10	Independent Certifying staff,		Chapter 5			
11-14	Certification of aircraft, parts and appliances		Chapter 6			
14-15	Certification of aircraft, parts and appliances		Chapter 6			

Mapping of Course Outcomes to ABET Student Outcomes							
SOs	Course Outcomes						
1	Ability to give the required description of the Aviation Legislation as appropriate.						
1	Describe the history of civil aviation and its organizational structure.						
Evaluation							
Assessment Tools		Expected Due Date					Weight
Projects							20%
Midterm Exam							30%
Final Exam							50%
Contribution of Course to Meet the Professional Components							
Relationship to Student Outcomes							
SOs	1	2	3	4	5	6	7
Availability	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 Curriculum Committee, 2025							