



Department	Course Name	Course Number	Semester			
Aircraft maintenance Engineering	Licensing Module 7: Maintenance Practice II	0994253	Spring			
2025 Course Catalog Description						
Pipes and Hoses, Bearings, Springs, Transmissions, Control cables, Material handling, Welding, Brazing, Soldering and bonding, Aircraft weight and balance, Aircraft handling and storage, Disassembly, Inspection, Repair and assembly techniques, Abnormal events, Maintenance procedures, Documentation and communication.						
Instructors						
Name	E-mail	Sec	Office Hours		Lecture Time	
			Sunday	Tuesday		
MEng. Aasef Hamadneh	<a href="mailto:ahamadneh@joramco.com.jo">ahamadneh@joramco.com.jo</a>		1:00-2:00	1:00-2:00		
Text Books						
Title	Maintenance Practice					
Author(s)	EASA					
Publisher, Year, Edition	Issue 2 , 2024					
References						
Books						
Journals						
Internet links						
Prerequisites						
Prerequisites by topic	-					
Prerequisites by course	Licensing Module 7: Maintenance Practice I: 0994252					
Co-requisites by course	-					
Prerequisite for	-					
Topics Covered						
Week	Topics			Chapter in Text		
1-2	Transmissions, Control Cables,			Chapter 11,12		
3-4	Material handling – Sheet Metal, Composites and Non-metallic,			Chapter 13,14		
5	Welding,			Chapter 15		
6	Brazing, Soldering and Bonding			Chapter 16-20		
7	Aircraft Weight and Balance,			Chapter 11,12		
8	Aircraft Handling and Storage,			Chapter 13		
9	Disassembly,			Chapter 14		
10	Inspection,			Chapter 15		
11	Repair and Assembly Techniques,			Chapter 16		
12	Abnormal Events,			Chapter 17		
13	Maintenance Procedures,			Chapter 18		
14	Documentation and communication			Chapter 19,20		

Mapping of Course Outcomes to ABET Student Outcomes								
SOs	Course Outcomes							
2	Where applicable, the student will also be able to read, understand and use sketches, drawings, schematics and practical demonstration to describe the subjects.							
4	At the satisfactory completion of this Module the student will be able to give the required description of the <b>Maintenance Practice</b> used on Aircraft as appropriate, typical examples and mathematical formulae in conjunction with physical laws.							
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		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								