



Course Specifications										
Program(s) on which this course is given			Aerospace Engineering							
Department offering the program:			Aerospace Engineering							
Department offering the course:			Aerospace Engineering							
Academic Level:										
Semester (based o	am timing)	☐ Fall								
A- Basic Information										
1. Title:	Aircraft Maintenance			Code: AER683						
2. Units/Credit hours per week:	Lectures 2		Tutorial	1	Practical		Total	3		
B- Professional Information										
1. Course descript	ion:									
		a) Knowledge and Understanding								
		Basic concepts of management and planning aircraft maintenance systems								
2. Intended Learning Outcomes of Course (ILOs):										
		b) Intellectual Skills								
		Determine objectives and optimized performance of aircraft maintenance								
		systems								
		c) Professional and Practical Skills								
		Plane and optimize the aircraft inspection, replacement, repair, and overhaul								
		d) General and Transferable Skills								
		Solve management problems and write reports								
3. Contents										
Торіс			Total hours	Lectures	hours	Tuto	orial/ Practical	hours		
Objectives of	aircraft	maintenance	n							
systems		Δ								
Subsystems of aircraft maintenance systems			4							
Follow up of the maintenance system			4							
Practical maintenance operations in			Λ							
airlines			4							
Military aircraft maintenance systems			2							
Statistical preliminaries			4							
Planning of inspection operations			4							
Planning of replacement operations			4							

Planning of repaire and overhaul operations	4						
	Lectures (32)	Practical Training/ Laboratory ()	Seminar/Workshop ()				
4. Teaching and Learning Methods	Class Activity	Case Study ()	Projects ()				
	E-learning ()	Assignments /Homework ()	Other:				
5. Student Assessment Methods		·					
Assessment Schedule		Week					
-Assessment 1; Class test							
-Assessment 2; Project Assignment							
-Assessment 3; Presentations							
-Assessment 3; Midterm Exam							
-Assessment 4; Final Exam							
Weighting of Assessments							
-Mid-Term Examination							
-Final-term Examination		70%					
-Project							
-Class Test		10%					
-Presentation		20%					
-Total							
6. List of References							
Jardine, "Maintenance replacement and reliability"							
Churchman, "The systems approach"							
Chauder, Graham and Williamson, "Practical systems analysis"							
Negm, "Course notes"							
7. Facilities Required for Teaching and Learning							
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Course Coordinator: Prof. Hani M.	Negm						
Head of Department: Prof. Ayman H	partment: Prof. Ayman H. Kassem						