



				Course Sp	oecificatio	ons					
Program(s) on wh	ich this co	ourse is		-	rospace Eng						
Program(s) on which this course is given: Department offering the program:					Department	meening					
Department offering the course:				-	-						
Academic Level:				Aerospace Department 4 <sup>th</sup> year (5 <sup>th</sup> Year in a five-year program )							
Date				November,		ite jeur pr	ogram)				
Semester (based on final exam timing)				□ Fall							
A- Basic Infor			8/								
1. Title:	Aircraft Systems and Ins		and Inst	rumentations Code: AER482							
2. Units/Credit	¥		<b>,</b>	Tutorial	1			Total 4			
hours per week:	Lectures 3		5	Tutorial	1	Practical		Total 4			
<b>B- Professiona</b> 1. Coursedescripti		The co		-	the student th	he basic co	oncepts of Ai	rcraft Systems and			
2. Intended Learning Outcomes of Course (ILOs):		<ul> <li>a) Knowledge and Understanding Navigational Systems, Integrated Navigation System, Approach and Landing Systems Measuring Instruments: Pressure, Temperature, Airspeed, Altitude. Control Systems and Instruments of Control Surfaces, Fuel Control System, Hydraulic Control System, Electri Power System, Safety Systems: Approach Warning, Wind-Shear Warning. </li> <li>b) Intellectual Skills The ability to analyze aircraft systems and instruments. </li> <li>c) Professional and Practical Skills The ability to identify aircraft systems and instruments and their role in aircraft. </li> <li>d) General and Transferable Skills Computing, analyzing results</li></ul>									
3. Contents											
Торіс			Г	otal hours	Lectures	hours	T	utorial/ Practical hours			
Navigation Systems				10		7		3			
Interfacing			12		9		3				
Hydraulic and Pneumatic Systems			15		12		3				
Aircraft Systems			18		14		4				
i morare og storns											
Maintenance				5		3		2			

		Lectures ( )	Practical Training/ Laboratory ( )	Seminar/Workshop ()				
4. Teaching and Learnin	g Methods	Class Activity	Case Study ()	Projects ( )				
		E-learning ()	Assignments /Homework	Other:				
5. Student Assessment M	ethods							
Assessment Sche	dule		Week					
-Assessment 1; Class test			Every Week					
-Assessment 2; Project As	signment		6 <sup>th</sup> Week					
-Assessment 3; Presentatio	ons							
-Assessment 3; Midterm E	xam		8 <sup>th</sup> Week					
-Assessment 4; Final Exan	1		End of The Semester					
Weighting of Ass	essments							
-Mid-Term Examination			10 %					
-Final-term Examination			70 %					
-Project			10 %					
-Class Test			10 %					
-Presentation								
-Total			100 %					
6. List of References								
Course Notes by The Lect	urer							
7. Facilities Required for	Teaching and	Learning						
Lecture rooms, Projector,	Computers and	d Internet Connec	ction					
Course Coordinator:	Prof. Mohamed Sayed Bayoumi							
Head of Department:	Head of Department: Prof. Ayman Kassem							