

**DEPARTMENT OF AERONAUTICAL ENGINEERING  
COURSE SYLLABUS**

**AE 497: Aeronautical Engineering Seminar**

<i>COURSE TITLE</i>	<i>ENGLISH CODE/NO</i>	<i>ARABIC CODE/NO.</i>	<i>CREDITS</i>			
			<i>Th.</i>	<i>Pr.</i>	<i>Tr.</i>	<i>Total</i>
Aeronautical Engineering Seminar	AE 497	٤٩٧ هـ ط	1	-	-	1
<i>Pre-requisites:</i>	AE 412, AE 432					
<i>Course Role in Curriculum</i>	Elective Course					
<i>Catalogue Description:</i> Literature review methodologies and sources. Review of a recently published topics pertaining to contemporary social, economic or environmental issues in aeronautical engineering. Delivering a seminar lecture by a team of students based on a term paper prepared by them.						

**Textbooks:**

1. Different Recommended Material is used for this course.

**Supplemental Materials:**

1. Different Supplemental Material is used for this course.

**Course Learning Outcomes:**

*By the completion of the course the student should be able to:*

1. Practice Effective Team Management tools.
2. Prepare effective business communications.
3. Demonstrate the methods of literature review.
4. Analyze recent publication (s) of Aeronautical Engineering.
5. Identify contemporary issues.
6. Prepare and deliver effective presentations using different computer applications.

**Topics to be Covered:**

	<b><u>Duration in Weeks</u></b>
1. Literature Review Methodologies	3
2. Selection of Area of Aeronautical Engineering	1
3. Selection of Field in the Area of Aeronautical Engineering	1
4. Selection of Topic in the particular area of Aeronautical Engineering	2
5. Preparation of research paper	5
6. Preparation of Business Communication	2

***Student Outcomes addressed by the course:*** (Put a ✓ sign)

(a) an ability to apply knowledge of mathematics, science, and engineering	
(b) an ability to design and conduct experiments, as well as to analyze and interpret data	
(c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	
(d) an ability to function on multidisciplinary teams	
(e) an ability to identify, formulate, and solve engineering problems	✓
(f) an understanding of professional and ethical responsibility	✓
(g) an ability to communicate effectively	✓
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context	
(i) a recognition of the need for, and an ability to engage in life-long learning	✓
(j) a knowledge of contemporary issues	✓
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	

***Key Student Outcomes assessed in the course:*** (e) and ( i )

***Instructor or course coordinator:*** Prof. Ali Al-Bahi

***Last updated:*** May 2015