

**DEPARTMENT OF AERONAUTICAL ENGINEERING
COURSE SYLLABUS**

AE 498: Special Topics in Aeronautical Engineering

<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>
Special Topics in Aeronautical Engineering	AE 498	498 هـ ط	3	1	-	3
<i>Pre-requisites:</i>	AE 412, AE 432					
<i>Course Role in Curriculum</i>	Elective Course					
<i>Catalogue Description:</i> Selected topics to develop the skills and knowledge in a given field of Aeronautical Engineering.						

Textbooks:

Varies from semester to semester

Supplemental Materials:

Varies from semester to semester

Course Learning Outcomes:

Varies from semester to semester

Topics to be Covered:

Varies from semester to semester

**Duration in
Weeks**

Student Outcomes addressed by the course: (Put a ✓ sign), *Varies from semester to semester*

(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: *Varies from semester to semester*

Instructor or course coordinator: *Varies from semester to semester*

Last updated: May 20