



**KING ABDUL-AZIZ UNIVERSITY**  
**ACADEMIC ASSESSMENT UNIT**

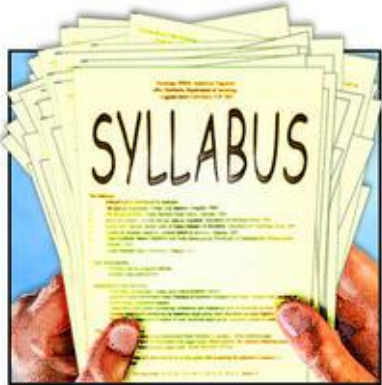
# **COURSE PORTFOLIO**

**FACULTY OF MARITIME STUDIES**

**DEPARTMENT OF MARINE ENGINEERING**

<b>COURSE TITLE:</b>	<b>Special Topics</b>
<b>COURSE CODE:</b>	<b>MSE 589</b>
<b>LEVEL/YEAR:</b>	<b>9<sup>th</sup> LEVEL/ 5<sup>th</sup> YEAR</b>
<b>DATE:</b>	<b>Jan 2014</b>

**PART II**



**COURSE SYLLABUS**

## ACADEMIC ASSESSMENT UNIT

### *Instructor Information*

✍ Name of the instructor: **Dr./ Refaat Abdullah**

✍ Office location: **Marine Survey Department – Floor: 3<sup>rd</sup> – Room: TF 10**

✍ Office hours:

<b>Tuesday</b>	<b>12:00 pm to 14:00 pm</b>
<b>Wednesday</b>	<b>10:00 am to 12:00 pm</b>

✍ Contact number(s): **Phone: 6990798 ext. 131**

✍ Email: [amsalem@kau.edu.sa](mailto:amsalem@kau.edu.sa)

✍ Instructor's profile : **See my webpage: [amsalem.kau.edu.sa](http://amsalem.kau.edu.sa)**

### *Course Information*

✍ Course title and code: **Special Topics (MSE589)**

✍ Course meeting times, places:

<b>Sunday</b>	<b>05:00 pm to 08:00 pm</b>	<b>Room GF 08</b>
<b>Tuesday</b>	<b>05:00 pm to 08:00 pm</b>	<b>Room GF 08</b>
<b>Thursday</b>	<b>05:00 pm to 08:00 pm</b>	<b>Room GF 08</b>

✍ Course prerequisites and requirements: **None**

✍ Description of the course:

**Introduction, theories and marine applications of Electronic Navigational Aids (satellite navigation systems; radio navigation systems).**

### *Course Objectives*

**By studying this course, the students are presumed to be able to:**

- ✍ **Provide a general introduction to the basic concepts of satellites and their use.**
- ✍ **Introduce students to the functions of electronic navigation equipment based on satellite system.**
- ✍ **Introduce students to the operation of electronic navigation equipment (GPS) available on the ship's bridge.**

### *Learning Resources*

✍ **Navigation, B. Hofmann-Wellenhof & etl, Springer; 1 edition (October 2, 2003),**

✍ **ISBN-10: 3211008284.**

✍ **- American practical Navigator, Bowditch, N., Defense Mapping Agency Hydrographic, USA, 2002, ISBN-10: 0939837544**

✍ **Tetley & D. Calcult, Electronic Navigation Systems (3rd Edition), 2004.**

### *Course Requirements and Grading*

✍ Student assessment:

## ACADEMIC ASSESSMENT UNIT

<b>Three Quizzes</b>	<b>20 Marks</b>	<b>3<sup>rd</sup> &amp; 10<sup>th</sup> Weeks</b>
<b>Midterm Exam</b>	<b>20 Marks</b>	<b>7<sup>th</sup> Week</b>
<b>Research Report</b>	<b>10 Marks</b>	<b>12<sup>th</sup> Week</b>
<b>Attendance &amp; Class Activities</b>	<b>10 Marks</b>	<b>All along</b>
<b>Final Exam</b>	<b>40 Marks</b>	<b>15<sup>th</sup> Week</b>

- ✍ Students have to respect University rules and ethics, and show good behavior. Absence of 25% of classes without official medical report might forbid the student from attending the final exam.
- ✍ Students are expected to show good attitudes, involvement, behaviors, skills, and ethics.

### ***Detailed Course Schedule***

- ✍ Detailed contents of topics and activities planned for each class session during the term.
- ✍ Reading assignments for each topic.
- ✍ Homework Assignments and Exam due dates.

(The following pages include templates of tables for course schedule and practical sessions)

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**Course Schedule Model  
(meeting two times a week)**

Week #	Date	Topic	Reading Assignment	What is Due?
1	26-Jan-2014	<b>STAELLITE HISTORY AND THEORY</b> describing orbit mechanics,		
		<b>STAELLITE HISTORY AND THEORY</b> Kepler's laws, different parts of satellite, orbit type.		
2	2-Feb-2014		Chapter 1 Ref. 1	
			=	
3	9-Feb-2014		=	H.W. 1
			Chapter 2 Ref. 1	
4	16-Feb-2014		=	
			=	
5	23-Feb-2014		=	
			=	
6	2-Mar-2014		=	
			=	
7	9-Mar-2014		=	
		First Exam		
8	16-Mar-2014		=	
			Chapter 3 Ref. 1	

## ACADEMIC ASSESSMENT UNIT

Week #	Date	Topic	Reading Assignment	What is Due?
9	30-Mar-2014		=	
			=	
10	6-Apr-2014		=	H.W.2
			=	
11	13-Apr-2014	Second Exam	=	
			Chapter 4 Ref. 1	
12	20-Apr-2014		=	
			=	
13	27-Apr-2014		=	
			=	
14	4-May-2014	Presentation for students researches	=	Submitting of H.W.
		General revision	=	Submitting of H.W.
15	11-May-	<b>Final Exam all sections</b>		