

## Rig and Platform Safety

Basic Course Specification					
Course Title	Course Code	Program on which the course is given			
Rig and Platform Safety	OS 412	Bachelor			
Academic Year	Specialization (units of study)	Pre-Requisites			
2020-2021	Theoretical 1 hrs./week Application 3 hrs./week Credit 2Cr	OS 414			
Overall Course Objectives					
Students successfully completing this course will be able to know the international standard for the platform and mobile offshore drilling units which will facilitate the operation of these units and ensure a level of safety for such units, and for personnel on board.					
Course Learning Outcomes By successful completion of the course each student will be able to:					
Topic	Linking to PLOs	Midterm Assessment	12 <sup>th</sup> Week Assessment	Class Activities	Final Exam
1. Identify offshore hazards.	e			√	√
2. Recognize the Emergency procedures for the platform and mobile offshore drilling unit.	h	√			
3. Apply the international safety standards for platform and mobile offshore drilling units.	i				√
4. Analyze Offshore hazards, Personal and occupational risks.	c			√	√
5. Assess Personal Responsibility for Safety.	k		√	√	
Course Content					
Lec./ Week #	Topic	Hrs. #	Theoretical	Application	
1	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
2	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
3	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
4	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
5	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
6	Code for the construction and equipment of mobile offshore drilling units, 2009 (2009 MODU CODE)	4	1	3	
7	<b>7<sup>th</sup> Week Exam</b>	4	2	2	

8	Safety awareness	4	1	3
9	Transport by helicopter to an Offshore platform	4	1	3
10	Transport by helicopter to an Offshore platform	4	1	3
11	Fire prevention and Self Rescue on Offshore platforms	4	1	3
<b>12</b>	<b>12<sup>th</sup> Week Exam</b>	<b>4</b>	<b>1</b>	<b>3</b>
13	Offshore working time in relation to performance, health and safety	4	1	3
14	Offshore working time in relation to performance, health and safety	4	1	3
15	Case study & Review	4	1	3
<b>16</b>	<b>Final Assessment</b>			
<b>Total Hours</b>		<b>60</b>	<b>15</b>	<b>45</b>
<b>Teaching &amp; Learning Methods</b>		<b>Facilities Required for Teaching &amp; Learning Methods</b>		
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples.		White Board& Data Show		
<b>Students Assessment Methods</b>				
<b>Assessment Schedule</b>				
Assessment#1		Week 7		
Assessment#2		Week 12		
Assessment#3		Week 16		
<b>Grading Method</b>				
Midterm Assessment	Written exam	30%		
12 <sup>th</sup> week Assessment	<b>Written exam</b>	20%		
Class Activities	<b>Participation - Quiz</b>	10%		
Final Exam	Written exam	40%		
<b>Total</b>		<b>100 %</b>		
<b>Assessment criteria shall meet the standards of the STCW 78 convention "as amended"; and in the light of the related IMO model courses.</b>				
<b>Staff Requirements</b>				
<b>Master FG/Ph.D.</b>				
<b>List of References</b>				
<b>Course Notes</b>		<b>Essential Books</b>		
None		Introduction to offshore oil and gas industry		

<b>Recommended Books</b>	<b>Periodicals and Publications</b>
None	None
<b>Others (websites, e-books...etc)</b>	
<b>None</b>	

<b>Accreditation Bodies</b>
<ul style="list-style-type: none"> <li>*Egyptian Authority for Maritime Safety (EAMS)</li> <li>*European Commission (EC)</li> <li>*ISO (9001 – 2015) DNV-GL*</li> <li>*Central Evaluation and Accreditation Agency Hanover, Germany (ZEVA)</li> <li>*Ministry of Education (KSA)</li> <li>Ministry of Higher Education (Greece)*</li> <li>*Ministry of Higher Education (Oman)</li> <li>*Commission for Academic Accreditation (CAA), Ministry of higher Education (UAE)</li> <li>*University of Plymouth, United Kingdom (dual degree)</li> </ul>

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