Basic Course Specification								
	Course Title	Course Code		Program on which the course is given				ourse
Advance	ed Offshore Operations	OS 416		Bachelor				
Academic YearSpecialization (units of study)				Pre-Requisites				
	2020-2021	Theoretical Application Credit	OS 410					
Overall Course Objectives								
that carried and install and ROV At the end vessels as: • Se: • Ca • Pip • Op • Dy	d out in the oil and gas ser ations such as cable layin survey which serve the in 1 of this course, the study ismic survey. ble layering operation. be laying operations. berations to be carried out mamic Positioning.	to by ROV unit.	ismic survey dyna during drilling a o understand the	supply mic po nd prod operati	vesse sitioni luction ons ca	Is and cong, divi	of open	e units eration supply
Course	Learning Outcomes By	v successful comp	oletion of the cour	se each	stude	nt will	be able	to:
	Тор	bic		Linking to PLOs	Midterm Assessment	12 <sup>th</sup> Week Assessment	Class Activities	Final Exam
1. Identify Dynamic Positioning principles			Е	$\checkmark$		$\checkmark$		
<b>2.</b> Apply the theory of DP				J	$\checkmark$		$\checkmark$	$\checkmark$
<b>3.</b> Assess pipe and cable laying procedure			J		$\checkmark$	$\checkmark$	$\checkmark$	
<b>4.</b> Apply the skills of Cable and pipe operations			J		$\checkmark$	$\checkmark$	$\checkmark$	
<b>5.</b> Operate DP system efficiently, diving equipment and ROV components.			G		$\checkmark$			
Course Content								
Lec./ Week #		Торіс		Hrs. # Theoretical Ap		Appli	oplication	
1	Introduction to DP &ab	breviations		4 1			3	
2	Examples of DP operati	ations 4 1		1	3			
3	DP principles	P principles		4		1		3

## **Advanced Offshore Operations**

Bachelor in Maritime Transport Technology Program

Course Notes				Essential Books			
List of References							
Master FG/Ph.D.							
Staff Requirements							
the light of the related IMO model courses.							
Assessment criteria shall meet the standards of the STCW 78 convention "as amended":					% d"• and in		
Final Exam Wri			tten exam	40%			
Class Activities Participation			pation – Quiz	10%			
12 <sup>th</sup> week Assessment Wr		itten exam		20%			
Midterm Assessment Written exa			tten exam	30%			
Grading Method							
Assessment#3			Week 16				
Assessment#2			Week 12				
Assessment#1				Week 7			
	Assessment Schedule						
Students Assessment Methods							
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples			White Board& Data Show.				
Teaching & Learning Methods			Facilities Required for Teaching & Learning Methods				
Total H			Total Hours	60	15	45	
16	16 Final Assessment						
15	15 Pipe laying operation			4	1	3	
14	14 Cable laying operation			4	1	3	
13	13 Diving & ROV operations			4	1	3	
12 12 <sup>th</sup> Week Exam			4	1	3		
11	11 Seismic marine operations			4	1	3	
10	Key of DP personnel			4	1	3	
9	DP planning			4	1	3	
8	8 Cont. DP operations			4	1	3	
7	7 <sup>th</sup> Week Exam			4	1	3	
6	DP operations			4	1	3	
5	5 Cont. Positioning reference systems			4	1	3	
4 Positioning reference systems			4	1	3		

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Lecturer notes	<ul> <li>DP operator's handbook</li> <li>Guidelines for Lifting Operations IMCA SEL 019, IMCA M 187 – October 2007</li> </ul>
<b>Recommended Books</b>	Periodicals and Publications
DP operator's handbook	
Others (websites	s, e-booksetc)
No	ne

Accreditation Bodies				
*Egyptian Authority for Maritime Safety (EAMS)				
*European Commission (EC)				
*ISO (9001 – 2015) DNV-GL*				
*Central Evaluation and Accreditation Agency Hanover, Germany (ZEVA)				
*Ministry of Education (KSA)				
Ministry of Higher Education (Greece)*				
*Ministry of Higher Education (Oman)				
*Commission for Academic Accreditation (CAA), Ministry of higher Education (UAE)				
*University of Plymouth, United Kingdom (dual degree)				

Prepared By: Course Coordinator

Reviewed By: Head of Department

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M. Nassar

Date: November 2020