		Basic Course	Specification					
Course Title Course Code				Program on which the course is given				
Human factors in Maritime SafetySE 402			Bachelor					
Academic YearSpecialization (units of study)				Pre-Requisites				
2020-2021Theoretical Application(1 hrs/week) (3 hrs/week) Credit2 Cr			None					
		Overall Cours	se Objectives					
	enables the student to unde	-						
Course	Learning Outcomes. By	y successful comp	pletion of the cour	se each	stude	nt will	be able	e to:
Торіс					Midterm Assessment	12 th Week Assessment	Class Activities	Final Exam
1. Recognize the human factor as part of the system			a					
2. differentiate between human element & human factors			a a e d	$\frac{}{}$			N	
 Understand the cultural differences effects Recognize the importance of the human element in raising the safety operation 			a&d			1	N	
& management.			a					
5. Understand how far can the maritime industry be improved by focusing on the human factor			а				\checkmark	
6. Recognize the IMO new behavior toward the human factor when creating any new instrument			a					
		Course (Content		1			
Lec./ Week #				Hrs.#			Application	
1	Definitions: Human eler	element- Human factor.		4	1		3	
2	2 Human Error- Human Error.			4	1 3		3	
3	3 Human resource- Human system- Human capital.			4	1		3	
4 Maritime Safety: Optimum maritime safety demands focus on people (human element)- Marine safety and pollution.			4	1			3	
5	culture.		4	1 3		3		
6	6 The importance of safety cultures in safer shipping- The culture for safety at sea		4	1			3	
7				4		1		3

Human factors in Maritime Safety

				•				
8	Maritime Safety "Cont.": Safety of shipping and loss control- Maritime education and its role in improving safety on the sea			4	1	3		
9	safety on the sea.What causes accidents- Fatigue as factorIMO Conventions and human factor (SOLAS, STCW,ISM Code, etc.): IMO, the dominate role played by thehuman element in safety at sea and environmentalprotection.			4	1	3		
10	The action taken by IMC STCW Convention and		tor – The revised	4	1	3		
11	STCW 78 as amended in 2010 – The ISM Code and the			4	1	3		
12				4	1	3		
Man power in crises and accidents – Seafaring as a stepping stone - Economic change and the human factor in seafaring.			4	1	3			
14	The human factor in changing the role of classification			4	1	3		
15	Seafarers' as an important human resource in maritime			4	1	3		
16	Final Assessment							
	Tot	al		60	15	45		
Т	Teaching & Learning Methods Facilities Required for Teaching & Lea Methods Methods					Learning		
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples				ard& data show				
		Students Asses	sment Methods					
		Assessmer	nt Schedule					
Assessment#1 Week 7								
Assessment#2				Week 12				
Assessment#3 Grading Method					Week 16			
7+h					200	/		
		itten exam itten exam		30%				
			ipation – Quiz		20%			
(ritten exam		<u> </u>			
Final Exam Written exam				Fotal 100 %				

Assessment criteria shall meet the standards of the STCW 78 convention "as amended"; and in the light of the related IMO model courses.

Staff Requirements				
Master FG/Ph.D.				
List of References				
Course Notes	Essential Books			
Lecturer notes and sheets	SOLAS 74, ISM Code			
Recommended Books	Periodicals and Publications			
None None				
Others (websites, e-booksetc)				
None				

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

H. Elsayad

M. Nassar

Date: November 2020