## **Search & Rescue Organization Management**

Basic Course Specification					
Course Title	Course Code		Program on which the course is given		
Search & Rescue Organization Management	SE 422		Bachelor		
Academic Year	<b>Specialization</b> (units of study)		Pre-Requisites		
2020-2021	Theoretical (1 hrs/ Application (3 hrs/ Credit 2 Cr	/	None		
Overall Course Objectives					

## On completion of this course, students should be familiar with the:

2

Manage search and rescue operation. Trainees will identify search areas and search patterns. They will also know search techniques and procedures. Trainees will also have a basic knowledge of search and rescue on scene coordinator and search mission coordination.

To give the trainee a basic knowledge according to the requirements of the International convention on maritime search and rescue, 1979, and COMSAR/Circ.31, (2003) of "Guidance for mass rescue operations",

The course gives the trainee a basic knowledge about the principles operation of search and rescue, and maintains effective communication during SAR operations.

## Course Learning Outcomes. By successful completion of the course each student will be able to:

course near ming outcomes. By successful completion of the course each student will be use to.						,	
Торіс		Linking to PLOs	Midterm Assessment	12 <sup>th</sup> Week Assessment	Class Activities	Final Exam	
At the end of the course, students should be able to  1. Manage and organize search and rescue operations.  Identify search areas and search patterns beside the search techniques and procedures.		a	<b>√</b>	√	√	<b>√</b>	
2. Use Recognize search techniques and procedures. Perform search and rescue operations in different situations. Plot search and rescue patterns on chart.		d	V			√	
Apply search and rescue patterns.     Perform search and rescue operations in different situations.     Perform search and rescue communications among SAR resources.		a			$\sqrt{}$	<b>V</b>	
Course Content							
Lec./ Week #	Торіс	Hrs.#	Theo	retical	Appli	cation	
1	The importance of SAR services and the global concept	4	1			3	
2	Legal Basis for SAR Services and Obligations to Assist	4		1		3	

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3

Week Assessment  h week Assessment  Class Activities  Final Exam	Wr Wr Partici	itten exam itten exam pation – Quiz itten exam		30% 20% 10% 40%	⁄o ⁄o
h week Assessment	Wr Wr	itten exam itten exam		20%	<b>6</b>
	Wr	itten exam			
			T		
	~ 14	Nathari			
Assessment#3 Week 16					
Assessment#2		Week 12			
Assessment#1 Week 7					
	Students Asses	sment Methods			
	– solving				
<ul> <li>Delivery of experience - discussing and asking</li> </ul>					
Explaining and demonstrating the lesson contents   White Board& o			ata show	1	
Teaching & Learning Methods				<u> </u>	3
		Facilities Requ			
			60	15	45
Search& Rescue on scene coordinator exercise for ship			4	1	3
Training, qualifications and certifications			4	1	3
Search& Rescue techniques			4	1	3
Assessment			4	1	3
Determinations of Search	Determinations of Search& Rescue areas			1	3
The Guidelines for preparing plans for co-operation between SAR services and passenger ships			1	3	
				1	3
Search& Rescue communications				1	3
7 <sup>th</sup> Week Exam				1	3
SAR Emergency Phases			4	1	3
Search& Rescue operations stages			4	1	3
The Search& Rescue system management			4	1	3
The Search& Rescue system components			4	1	3
1	The Search& Rescue syst  Search& Rescue operation  SAR Emergency Phases  7th Week Exam  Search& Rescue commun  National and Regional SA  The Guidelines for prepart SAR services and passeng Determinations of Search  Assessment  Search& Rescue technique  Training, qualifications and Search& Rescue on scene masters  Final Assessment  Total and demonstrating the lay of experience - discussing to interact with students -  Assessment#1  Assessment#2	The Search& Rescue system management  Search& Rescue operations stages  SAR Emergency Phases  7th Week Exam  Search& Rescue communications  National and Regional SAR System Organi  The Guidelines for preparing plans for co-os SAR services and passenger ships  Determinations of Search& Rescue areas  Assessment  Search& Rescue techniques  Training, qualifications and certifications  Search& Rescue on scene coordinator exercinasters  Final Assessment  Total  Teaching & Learning Methods  In and demonstrating the lesson contents yof experience - discussing and asking to interact with students - solving  Students Assessment  Assessment#1  Assessment#2  Assessment#3	The Search& Rescue system management  Search& Rescue operations stages  SAR Emergency Phases  7th Week Exam  Search& Rescue communications  National and Regional SAR System Organization  The Guidelines for preparing plans for co-operation between SAR services and passenger ships  Determinations of Search& Rescue areas  Assessment  Search& Rescue techniques  Training, qualifications and certifications  Search& Rescue on scene coordinator exercise for ship masters  Final Assessment  Total  Teaching & Learning Methods  Ig and demonstrating the lesson contents y of experience - discussing and asking to interact with students - solving  Students Assessment Methods  Assessment Schedule  Assessment#1  Assessment#2  Assessment#3	The Search& Rescue system management  Search& Rescue operations stages  4  SAR Emergency Phases  4  The Week Exam  Search& Rescue communications  National and Regional SAR System Organization  The Guidelines for preparing plans for co-operation between SAR services and passenger ships  Determinations of Search& Rescue areas  4  Assessment  Search& Rescue techniques  Training, qualifications and certifications  Search& Rescue on scene coordinator exercise for ship masters  Final Assessment  Total  Facilities Required for Met  and demonstrating the lesson contents by of experience - discussing and asking to interact with students - solving  Students Assessment Methods  Assessment Schedule  Assessment#1  Wee Assessment#2  Assessment#3  Wee  Wee  Wee  Wee  Assessment#3	The Search& Rescue system management 4 1  Search& Rescue operations stages 4 1  SAR Emergency Phases 4 1  7th Week Exam 4 1  Search& Rescue communications 4 1  National and Regional SAR System Organization 4 1  The Guidelines for preparing plans for co-operation between 5AR services and passenger ships 5Determinations of Search& Rescue areas 4 1  Assessment 4 1  Assessment 4 1  Search& Rescue techniques 4 1  Training, qualifications and certifications 4 1  Search& Rescue on scene coordinator exercise for ship 4 1  Search& Rescue on scene coordinator exercise for ship 4 1  Final Assessment 60 15  Facilities Required for Teaching & Methods 15  Teaching & Learning Methods 15  Total Facilities Required for Teaching & Methods 15  Students Assessment Methods 15  Students Assessment Methods 16  Assessment#1 Week 7  Assessment#1 Week 7  Week 12

	Total 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	IAMSAR (2013). International Aeronautical and Maritime search and rescue manual, Volume (1), (2) and (3).			
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

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