

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		Specialization (units of study)		Pre-Requisites			
2020-2021		Theoretical Application Credit	(1 hrs/week) (3 hrs/week) 2 Cr	None			
Overall Course Objectives							
On completion of this course, students should be familiar with the: 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:							
Topic			Linking to PLOs	Midterm Assessment	12 th 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	√	√	√	√
2. Use Recognize search techniques and procedures. Perform search and rescue operations in different situations. Plot search and rescue patterns on chart.			d	√			√
3. Apply search and rescue patterns. Perform search and rescue operations in different situations. Perform search and rescue communications among SAR resources.			a			√	√
Course Content							
Lec./ Week #	Topic		Hrs. #	Theoretical	Application		
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		

3	The Search& Rescue system components	4	1	3
4	The Search& Rescue system management	4	1	3
5	Search& Rescue operations stages	4	1	3
6	SAR Emergency Phases	4	1	3
7	7 th Week Exam	4	1	3
8	Search& Rescue communications	4	1	3
9	National and Regional SAR System Organization	4	1	3
10	The Guidelines for preparing plans for co-operation between SAR services and passenger ships	4	1	3
11	Determinations of Search& Rescue areas	4	1	3
12	Assessment	4	1	3
13	Search& Rescue techniques	4	1	3
14	Training, qualifications and certifications	4	1	3
15	Search& Rescue on scene coordinator exercise for ship masters	4	1	3
16	Final Assessment			
Total		60	15	45
Teaching & Learning Methods		Facilities Required for Teaching & Learning Methods		
Explaining and demonstrating the lesson contents – Delivery of experience - discussing and asking questions to interact with students – solving examples		White Board& data show		
Students Assessment Methods				
Assessment Schedule				
Assessment#1		Week 7		
Assessment#2		Week 12		
Assessment#3		Week 16		
Grading Method				
7th Week Assessment	Written exam		30%	
12 th week Assessment	Written exam		20%	
Class Activities	Participation – Quiz		10%	
Final Exam	Written exam		40%	

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-books...etc)		
None		

Accreditation Bodies
<ul style="list-style-type: none"> *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)

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