

Seamanship and Maritime Safety

Basic Course Specification		
Course Title	Course Code	Program on which the course is given
Seamanship and Maritime Safety	NS419*	Bachelor
Academic Year	Specialization (units of study)	Pre-Requisites
2020-2021	Theoretical (1 hrs/week) Application (3 hrs/week) Credit 2 Cr	S306, BS214

Overall Course Objectives

On Completion of this course, students should satisfactory competent with the basic principles of information & awareness of:

4. Operation of Life Saving Appliances.
5. Applying Medical First Aid on board ships.
6. Prevention, Controlling & Firefighting on Board ships.

As per the requirement of the STCW 78 convention as amended - chapter IV section and Table A-IV/1 and in the light of the IMO model course 7.03. In addition, to Introduce The International Regulations for Preventing Collision at Sea, 1972, as amended, recognition and identification of buoys and to provide the students with the necessary skills for Maintaining a safe navigational watch.

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. Understand the procedures of fighting fire prevention and Control on board ships.	j&k	√			√
2. Understand operation of life saving appliances	j&k			√	√
3. Apply medical first aid on board ship.	j			√	
4. Manage and control pollution from ships.	i&k	√			√
5. Understand collision regulations	i&j				√
6. Analyze the effective immediate action plan suitable for each emergency situation.	i&j				√

Course Content

Lec./ Week #	Topic	Hrs. #	Theoretical	Application
1	Fire Precautions and Chemical Reactions.	4	1	3
2	Investigate and compile reports on incidents involving fire	4	1	3

Course Content				
Lec./ Week #	Topic	Hrs. #	Theoretical	Application
3	Communication and co-ordination during fire- fighting Operations	4	1	3
4	Fire precautions and hazards associated with the storage and handling of materials.	4	1	3
5	Prevention of pollution from ships.	4	1	3
6	Personal safety and social responsibilities	4	1	3
7	7th Week Exam	4	1	3
8	Introduction, safety and survival. Related Safety Conventions. Distress signals, Emergency radio equipment (GMDSS) and the use of EPIRB and SART.	4	1	3
9	Life boats, Life Raft. And Practical training on fire fighting and survival techniques	4	1	3
10	Principles of first aid, coma and shocks.	4	1	3
11	-Bleeding, Burns, Fractures and Poisons.	4	1	3
12	12th week exam - The rules of collision regulations (1-15).	4	1	3
13	The rules of collision regulations (16-24).	4	1	3
14	The rules of collision regulations (25-38)	4	1	3
15	Annexes of collision regulations (1-4). IALA maritime buoyage system	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 – Practical training at Maritime Safety Institute. LSA + FSS code.		<ul style="list-style-type: none"> • White Board& Data Show • LSA & Firefighting equipment 		
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	
None	<ul style="list-style-type: none"> • The International Convention for the Safety of Life at Sea, 1974 (SOLAS) as amended. 2020 edition. • Convention on the International Regulations for Preventing Collisions at Sea, 1972. as amended. • International Convention for the Prevention of Pollution from Ships.as amended. 	
Recommended Books	Periodicals and Publications	
<ul style="list-style-type: none"> •LSA-Code International Life-saving appliance Code (MSC.48(66)) •International Code for Fire Safety Systems (FSS CODE) 	None	
Others (websites, e-books...etc)		
<ul style="list-style-type: none"> • Resolution MEPC - Resolution MSC • http://www.imo.org/en/Pages/Default.aspx 		

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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