

Course Description Form

Basic Course Specifications				
Course Title	: Marine safety			
Course Code	: ND 370			
Program on which the course is given	: <input checked="" type="checkbox"/> Bachelor	: <input type="checkbox"/> Diploma	: <input type="checkbox"/> Master	: <input type="checkbox"/> Pre- PhD
Academic year	:			
Specialization (units of study)	: Application : 120 Hr Credit :2			
Pre-Requisites	: Complete the courses MT 214 & MT 234 and with minimum GPA 1.8			
Overall Course Objectives				
<p>Meet the mandatory minimum requirements for knowledge, understanding and proficiency of seamanship techniques in accordance with the new amended of STCW 78 and IMO model course (Officer in charge of a navigational watch) According to STCW 1978 as amended in addition to IMO model course 7.03.</p>				
Intended Learning Outcomes				
Knowledge and Understanding				
<p>At the end of the course, students should be able</p> <ul style="list-style-type: none"> a.1 Understanding the emergency situations & master list. a.2 Understand the Personal life saving appliances. a.3 Understanding the Visual Signals and communications onboard ships. a.4 Recognize causes of “ HYPOTHERMIA ” a.5 Understand the types of survival crafts. a.6 Compare between types of fire and how to extinguish them a.7 Understanding the fixed firefighting station. 				
Intellectual Skills				
<p>By the end of the programme the students should have acquired the following attitudes and ethical concept:-</p> <ul style="list-style-type: none"> b.1 Express respect to staff members and senior colleagues. b.2 Be committed to institutional regulations and discipline. b.3 Recognize value of student and scientific support received from his/her academic adviser b.4 Apply principals of ethics for maritime profession in every aspect of his practical life. b.5 Be dedicated to fulfill given assignment and tasks with perfection. b.6 Express loyalty for his/her affiliation to the collage of maritime transport and technology and the AASTMT whenever the situation necessitate. 				
Professional and Practical skills				
<p>At the end of the course, students should be able to</p> <ul style="list-style-type: none"> c.1 Use life jacket. c.2 Participate in forming hypothermia circle. c.3 Use life raft. c.4 Use life boat. c.4 How to detect the fire. c.5 Extinguish majors and minor fires. c.6 How to test the safety equipment. 				
General and Transferable skills				

At the end of the course, students should be able to
 d.1 Tested & operate the Personal life saving appliances.

d.2 Recognize the danger of fire.

Lect. #	Topic	Hrs#	Practical	
1	Familirization & Introduction, emergency situation & Muster list.	9	9	
2	Personal life saving appliances	9	9	
3	Visual Signals and communications onboard.	9	9	
4	NON			
5	Survival crafts Life boat	9	9	
6	Life raft	9	9	
7	Assessment	9	9	
8	Fire Detectors & fire man's outfit	9	9	
9	NON			
10	Fire Extinguishers.	9	9	
11	CO2 Fixed systems	9	9	
12	Assessment	9	9	
13	NON			
14	Routine maintenance of safety Equipment	9	9	
15	Operate life-saving appliances	9	9	
16	Non			
17	Precautions to be Taken When Beaching , Stranding, Collision and Abandoning Ship	9	9	
18	The Precautions To Be Taken To Prevent Pollution Of The Marine Environment	9	9	
19	Prevent, Control and Fight Fires on Board	9	9	
20	Assessment	9	9	

Teaching & learning methods			
Practical Work , Group Work , Individual Study and Problem Study			
Facilities required for Teaching & learning methods			
<input type="checkbox"/> <u>Computer Lab</u>	<input type="checkbox"/> <u>Overhead Slide</u>	<input type="checkbox"/> <u>Guided Sea Training work Book</u>	<input type="checkbox"/> <u>videos</u>
Students Assessment Methods			
Assessment submission Schedule			
Assessment#1: Direct observation of work activities		Continuous	
Assessment#2: Skills and competency tests		Post voyage 4	
Assessment#3 : practical examination		During Final Training voyage	

Grading Method		
Attendance	<input type="checkbox"/>	Non
Practical watch evaluation	<input checked="" type="checkbox"/>	Continuous 30 Marks
Presentations	<input type="checkbox"/>	Non
Practical Assignments	<input checked="" type="checkbox"/>	20 Marks
Projects	<input type="checkbox"/>	Non
Participation	<input type="checkbox"/>	Non
Oral Examination	<input checked="" type="checkbox"/>	10 Marks
Final Examination	<input checked="" type="checkbox"/>	40 Marks
		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		
List of References		
Course Notes		
Description	:	<ul style="list-style-type: none"> Guided Sea Training Book (Part 1)
Essential Books		
Description	:	<ul style="list-style-type: none"> Seamanship techniques (third edition) training manual Ship's plan Lsa code Solas marpol
IMO		
Description	:	<ul style="list-style-type: none"> R1 STCW,1978, as amended(ISBN 978-92-801-1528-4) International Convention for the Safety of Life at Sea (SOLAS), as amended Consolidated Edition, 2009
Periodicals and publications		
Description	:	<ul style="list-style-type: none"> SOLAS – LSA CODE
Others (websites, e-books...etc)		

Description	:	<ul style="list-style-type: none"> SOLAS. Accident prevention on board ship at sea and in port. IAM SAR Vol III.
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Matrix of knowledge and skills of the Educational Course

University/ Academy	:	AASTMT	Course name : Marine safety
College/ Institute	:	College of Maritime Transport and Technology	Course code: ND 370
Department	:	Maritime Transport Technology	

Week	Course Contents	Knowledge	Intellectual Skills	Professional Skills	General Skills
1	Familrization & Introduction, emergency situation & Muster list.	a.1		c.1	
2	Personal life saving appliances	a.2			d.1
3	Visual Signals and communications onboard.	a.3			
4	NON				
5	Survival crafts Life boat	a.5		c.4	
6	Life raft	a.5		c.3	
7	Assessment				
8	Fire Detectors & fire man's outfit	a.6		c.4	d.2
9	NON				
10	Fire Extinguishers.	a.6		c.5	d.2
11	CO2 Fixed systems	a.7		c.5	d.2
12	Assessment				
13	NON				
14	Routine maintenance of safety Equipment			c.6	
15	Operate life-saving appliances	a.2			d.1
16	Routine Maintenance of Safety Equipment			c.6	
17	Precautions to be Taken When Beaching , Stranding, Collision and Abandoning Ship	a.1			
18	The Precautions To Be Taken To Prevent Pollution Of The Marine Environment	a.1			
19	Prevent, Control and Fight Fires on Board	a.6			
20	Assessment				

