

## Marine Safety

Basic Course Specification		
Course Title	Course Code	Program on which the course is given
Marine Safety	BS 112	Bachelor
Overall Course Objectives		
<ul style="list-style-type: none"> <li>• <b>This Course Provide the Background Knowledge to Support:</b> <ol style="list-style-type: none"> <li>1. Operation of Life Saving Appliances</li> <li>2. Applying Medical First Aid on board ship</li> <li>3. Prevention, Controlling &amp; Firefighting on Board</li> </ol> </li> </ul>		
Course Learning Outcomes. By successful completion of the course each student will be able to:		
1. Recognize the importance of personal life saving appliances, survival crafts and their tools.		
2. Classify the different alarm signals and communications that can seek rescuer's attention in relation to each situation.		
3. Illustrate the use of a muster list and proper first aid treatment in alignment with different emergency situations that cause threat on personal and ship.		
4. Explain the adequate protection required to approach a fire.		
5. Demonstrate the classes of fire and how each class can be detected and extinguished.		
6. Analyze the effective immediate action plan suitable for each emergency situation.		

Course Content	
Lecture	Topic
1	Introduction: (Emergency situations, Muster list & Muster station)
2	Personal life saving appliances: (life buoy- life jacket - immersion suit - TPA)
3	Visual Signals and Pyro-techniques - Audio Signals and communications onboard
4	Survival crafts Lifeboat
5	Survival crafts Life raft
6	Survival crafts rescue boat
7	Introduction on applying first aid onboard ships
8	Basic Medical Skills - Pharmacology & sterilization
9	CPR practical training & Medical Advice
10	Introduction to fire hazards onboard ships - Theory, reasons & Classification of Fire
11	Portable fire extinguishers - Firefighting Fixed systems
12	Fire Detectors - Fire man's outfit & (EEBD)
13	Fire drill (laboratory)