

Part B

Course Outline

MTI shall ensure that all trainees shall be given sufficient time to learn, understand and perform the practical training component of this course. It is understood that the number of hours for demonstration/practical work specified in the table below is indicative and allocated per group. Training hours shall be extended depending on trainees' successful acquisition of the required competence.

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
Course Introduction	1.0	-
<i>Competence: Control trim, stability and stress</i>		
1. The fundamental principles of ship construction and the theories and factors affecting trim and stability and measures necessary to preserve trim and stability	5.00	1.5
2. The effect on trim and stability of a ship in the event of damage to and consequent flooding of a compartment and countermeasures to be taken	4.5	1.5
3. IMO recommendations concerning ship stability	1.0	1.0
<i>Competence: Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea, security and the protection of the marine environment</i>		
4. Relevant international maritime law embodied in international agreements and conventions 4.1 Certificate and other documents required to be carried on board ships by international conventions, how they may be obtained and their period of validity	17.0	5.0

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
<p>4.2 responsibilities in monitoring of the compliance to the following international agreements, conventions and instruments:</p> <ul style="list-style-type: none"> • International Convention on Load Lines, 1966, as amended; • International Convention for the Safety of Life at Sea, 1974, as amended; • International Convention for the Prevention of Pollution from Ships, as amended; • International Health Regulations; and • International instruments affecting the safety of the ship, passengers, crew and cargo <p>4.3 Methods and aids to prevent pollution of the environment by ships</p> <p>4.4 National legislation for implementing international agreements and conventions</p>		
<p><i>Competence: Develop emergency and damage control plans and handle emergency situations</i></p>		
5. Ship construction and damage control	1.0	5.0
6. Methods and aids for fire prevention, detection and extinction	0.5	1.0
7. Functions and use of life-saving appliances	0.5	1.0

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
<i>Competence: Maintain safety and security of the vessel, crew and passengers and the operational condition of life-saving, fire-fighting and other safety systems</i>		
8. Life-saving appliance regulations (International Convention for the Safety of Life at Sea)	2.5	-
9. Maintenance of operational condition of life-saving, fire-fighting and other safety systems	1.5	2.5
10. Organization of fire drills and abandon ship drills	3.0	1.5
11. Actions to be taken to protect and safeguard all persons on board in emergencies	2.5	1.5
12. Actions to limit damage and save the ship following fire, explosion, collision or grounding	1.5	2.0
<i>Competence: Use Leadership and Managerial Skill</i>		
13. Related international maritime conventions and recommendations, and national legislation	1.0	-
14. Shipboard personnel management and training	4.5	6.0
15. Task and workload management	4.0	
16. Effective resource management	2.5	
17. Decision-making techniques	3.0	
18. Development, implementation and oversight of standard operating procedures	2.5	2.5
Sub-total	59	32

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
Total Training Hours	91.0	
Assessment		

Notes:

1. *It is the responsibility of the MTI to determine the number of hours needed for the conduct of assessment both written and practical as maybe applicable taking into account the number of trainees, number of assessors, number of equipment, vis-à-vis the number of test items for theoretical and the number of exercises and duration for practical assessment.*
2. *Time allotted in the practical demonstration shall be construed as the time allotted for 24 trainees, provided that all trainees have demonstrated the task or scenario specific for management level responsibility, and if the practical exercises are conducted by group, the rotation of roles is required.*