

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	0.5	-
<i>Competence: Control trim, stability and stress</i>		
1. The fundamental principles of ship construction, theories, factors, and measures necessary to preserve trim and stability	3.0	-
2. The effect on trim and stability of a ship	1.0	2.0
3. IMO recommendations concerning ship stability	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. International agreements and conventions 4.1 Certificates and other documents required to be carried onboard ships	1.0	1.0
4.2 Responsibilities under the relevant requirements of the following international convention and instruments: <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 	1.0	1.0

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
International instruments affecting the safety of the ship, passengers, crew and cargo		
4.3 Methods and aids to prevent pollution of the maritime environment by ships	1.0	1.0
4.4 National legislation for implementing international agreements and conventions	2.0	-
<i>Competence: Develop emergency and damage control plans and handle emergency situations</i>		
5. Preparation of contingency plans for response to emergencies	1.5	1.5
6. Ship construction, including damage control	1.0	1.5
7. Methods and aids for fire prevention, detection, and extinction	1.0	1.0
8. Functions and use of life-saving appliances	1.0	1.0
<i>Competence: Maintain Safety and Security of Ship's Crew and Passengers and the Operational Condition of Life- Saving, Fire-Fighting and Other Safety Systems</i>		
9. Life-saving appliance regulations (International Convention for the Safety of Life at Sea)	1.0	-
10. Organization of fire drills and abandon ship drills	2.0	1.5
11. Maintenance of operational conditions of life-saving, fire-fighting and other safety systems	2.0	-
12. Action to be taken to protect and safeguard of all persons on board	2.0	2.0
13. Action to limit damage and save the ship	1.0	1.0
<i>Competence: Use of Leadership and Managerial Skills</i>		
14. Shipboard personnel management and training	1.5	2.0

Topics	Time Allotment (in hours)	
	Theoretical	Demonstration/ Practical Work
15. International maritime conventions and recommendations, and national legislation	1.0	-
16. Task and workload management	1.5	1.0
17. Effective resource management	1.0	1.5
18. Decision-making techniques	2.0	1.5
19. Development, implementation, and oversight of standard operating procedures	1.0	1.5
<i>Competence: Organize and manage the provision of medical care on board</i>		
20. International Medical Guide for Ships involving Dangerous Goods	2.0	-
Sub-total	33.0	22.0
Total Training Hours	55.0	

Assessment		
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Notes:

1. It is the responsibility of the MTI to determine the number of hours needed for the conduct of assessment both theoretical and practical as may be 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 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.