

Table of Specifications (TOS)

Topics (Knowledge Dimension)	Time Allotment (hrs.)	% of Teaching Time	Thinking Skills (Learning Process Dimension)						No. of Test Items
			Remember	Understand	Apply	Analyze	Evaluate	Create	
Course Introduction	1	1.10		1					1.00
1. Fundamental principles of ship construction and the theories and factors affecting trim and stability and measures necessary to preserve trim and stability	6.5	7.14		4	3				7.00
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	6	6.59		4	3				7.00
3. IMO recommendations concerning ship stability	2	2.20		2					2.00
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	7	7.69		4	2	2			8.00

Topics (Knowledge Dimension)	Time Allotment (hrs.)	% of Teaching Time	Thinking Skills (Learning Process Dimension)						No. of Test Items
			Remember	Understand	Apply	Analyze	Evaluate	Create	
may be obtained and their period of validity									
4.2 Responsibilities under international conventions and instruments	6.5	7.14		3	2	2			7.00
4.3 Methods and aids to prevent pollution of the environment by ships	5.5	6.04		2	2	2			6.00
4.4 Knowledge of national legislation for implementing international agreements and conventions	3	3.30		3					3.00
5. Ship construction, including damage control	6	6.59					4	2	7.00
6. Methods and aids for fire prevention, detection and extinction	1.5	1.65					2		2.00
7. Functions and use of life-saving appliances	1.5	1.65					2		2.00
8. Life-saving appliance regulations (International Convention for the Safety of Life at Sea)	2.5	2.75		3					3.00
9. Maintenance of operational condition of life-saving, fire-fighting and other safety systems	4	4.40		1	3				4.00

Topics (Knowledge Dimension)	Time Allotment (hrs.)	% of Teaching Time	Thinking Skills (Learning Process Dimension)						No. of Test Items
			Remember	Understand	Apply	Analyze	Evaluate	Create	
10. Organization of fire drills and abandon ship drills	4.5	4.95		2	3				5.00
11. Actions to be taken to protect and safeguard all persons on board in emergencies	4	4.40		1	3				4.00
12. Actions to limit damage and salve the ship following fire, explosion, collision or grounding	3.5	3.85		2	2				4.00
13. Related international maritime conventions and recommendations, and national legislation	1	1.10		1					1.00
14. Shipboard personnel management and training	5.5	6.04		2			4		6.00
15. Task and workload management	7	7.69		2	3	3			8.00
16. Effective resource management	3.5	3.85		1	3				4.00
17. Decision-making techniques	4	4.40		1	3				4.00
18. Development, implementation and oversight of standard operating procedures	5	5.49		1	2			2	5.00
Total	91	100							100

Notes:

1. The MTI may add the required number of test items for Multiple Choice type of Questions.
2. For Essay type of test, the MTI should provide rubrics.