



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MERCHANT SHIPPING SECRETARIAT
Ministry of Ports & Civil Aviation
No.79, Technical Junction, Maradana Road, Colombo 10, Sri Lanka
 Telephone: +94(0)112435127, Fax: +94-(0) 112430277, E-mail: dmsmos@sltnet.lk

CORE SYLLABUS

1. Navigation

COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
CONDUCT OF NAVIGATION IN ALL CONDITIONS Maintain safe navigation through the use of information from nav. equipments and systems to assist command decision making	1.1 Pilotage	3.0	
	1.2 Passage in fog and thick weather	1.5	
	1.3 Navigation in Coral Regions	1.5	
	1.4 Radar and blind pilotage	7.5	
	1.5 Navigation accuracies	1.5	
	1.6 Bridge organization & procedures	1.5	
	1.7 Ensuring the adequacy of a navigational watches	1.0	
	1.8 Ensuring the adequacy of engineering watches	0.5	
	1.9 Recent Marine accidents investigation reports	6.0	
	1.10 Masters role in collecting evidence	3.0	
	1.11 Magnetic Compass Error and Correction	9.0	
	1.12 Ship Handling	19.5	
	TOTAL	55.5	

2. Meteorology

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COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
FORECAST WEATHER AND OCEANOGRAPHIC CONDITIONS	1.1 Weather forecasting	9.0	
	1.2 Tropical Revolving Storms	6.0	
	1.3 Waves	3.0	
	1.4 Practical measures to be taken when navigating in Ice or conditions of ice accumulation on board	6.0	
	1.5 Weather Routing	6.0	
	TOTAL DURATION	30	

3. Business and law

COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
MONITOR AND CONTROL COMPLIANCE WITH LEGISLATIVE REQUIREMENTS AND MEASURES TO ENSURE SAFETY OF LIFE AT SEA, SECURITY AND THE PROTECTION OF THE	1.1 Ship management and operation	9.0	
	1.2 Law of the Sea	6.0	
	1.3 International straits	1.5	
	1.4 Exclusive economic zone and continental shelf	1.5	
	1.5 High seas	1.5	
	1.6 Protection and preservation of the marine environment	3.0	
	1.7 Registration of vessels	6.0	
	1.8 Surveying, Certification and documentation related to international conventions	36.0	
	1.9 Regulations concerning Seamen's Articles of Agreement, (Sri Lankan Merchant shipping act 1971 as amended)	6.0	
	1.10 Recommendation concerning the Contents of Medicine Chests on Board Ship	1.5	
	1.11 Recommendation concerning Medical Advice by Radio to Ships at Sea	1.5	



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<i>MARINE ENVIRONMENT</i>	1.12 International Health Regulations (1969) as amended	1.5	
	1.13 International Convention on Maritime Search and Rescue (SAR), 1979 IAMSAR Manual	3.0	
	1.13 International Convention on Oil Pollution Preparedness, Response and Co-operation (OPRC), 1990	1.5	
	1.14 International Convention on the Establishment of an International Fund for Compensation for Oil Pollution Damage (FUND), 1971	1.5	
	1.15 Convention for the Suppression of Unlawful Acts against the Safety (SUA) 91 of Maritime Navigation, 1988	1.5	
	1.16 International Convention on Salvage, 1989/ 93	3.0	
	1.17 Note of protests	3.0	
	1.18 National Maritime Legislation Follow proper procedure in a range of shipboard operations and situations	3.0	
	TOTAL	91.5	

4. Shipboard Operation

COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
<i>MONITOR AND CONTROL COMPLIANCE WITH LEGISLATIVE REQUIREMENTS</i>	1.1 The International Safety Management code (ISM CODE)	4.5	
	1.2 International Ship and Port Facility Code (ISPS CODE)	1.5	
	1.3 Maritime Labour Convention (MLC) 2006	3.0	
	1.4 PSC Inspections	3.0	
<i>SHIP HANDLING</i>	2.1 Lightering at Sea (STS OPERATION)	3.0	
	2.2 Dry-docking	3.0	
<i>DEVELOP EMERGENCY AND DAMAGE CONTROL PLANS AND HANDLE EMERGENCY SITUATIONS</i>	3.1 Contingency Plans for Response to Emergencies	3.0	
	3.2 Precautions to be taken when beaching a vessel	1.5	
	3.3 Actions to be taken on stranding	1.5	
	3.4 Actions to be taken following a collision	1.5	



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	3.5 Precautions for the protection and safety of passengers in emergency situations	1.5	
	3.6 Means of limiting damage and salvaging the ship following a fire or explosion	1.5	
	3.7 Procedure for abandoning ship	1.5	
	3.8 Rescue of persons from a vessel in distress or from a wreck	1.5	
	3.9 Measures for assisting a vessel in distress	1.5	
	3.10 Man-overboard procedures	1.5	
	3.11 Actions which can be taken when emergencies arise in port	3.0	
	3.12 Arrangements for towing and being towed	3.0	
Use of leadership and managerial skill	4.1 Leadership and team working skills	9.0	
	TOTAL	49.5	

5. Ship's Magnetism

COMPETENCE	KNOWLEDGE, UNDERSTANDING & PROFICIENCY	TIME ALLOCATION (HRS)	STCW
<i>DETERMINE AND ALLOW FOR COMPASS ERRORS</i>	1.1 Ability to determine and allow for errors of the magnetic compass 1.1.1 The errors of the magnetic compass and their correction	12.0	
	TOTAL	12.0	