Part B. Course Outline and Timetable

TERM	OUTCOMES	TIME ALLOTMENT (in hours)	
		Theoretical	Demonstration/ Practical Work
Note: *The MHEIs shall determine the time allotment for the conduct of course outcome assessments / summative assessments.*	**CO1.** Respond appropriately to the given shipboard emergency for the protection of passengers according to the SMS requirements **CO2.** Respond to a given situation in accordance with the contingency or emergency plan appropriate to the nature of emergency		
	LO1.1. Explain the primary objective of crowd management during emergency situations for the protection of passengers according to the SMS requirements	**2**	
	LO1.2 Explain the contents of the Shipboard Contingency Plan for emergency situations on board such as: • Collision • Grounding • Man Overboard or Rescue of Persons from the Sea • Assisting Ship In Distress • Fire Alongside Terminal or Port	**6**	
	LO1.3. Role-play or Simulate actions based on ship's contingency plan in a given emergency situation to protect all persons on board, including ship's maneuvering, as may be required.		**6**
	Course Outcome Assessment		**12**
	CO3. Maneuver the ship in accordance with her safe operating limits and capabilities as appropriate to a given scenario or situation		
	LO3.1. Explain the effects of the following factors on the ship's turning circle and stopping distances such as: a. Deadweight b. Draught and Trim c. Speed d. Under-Keel Clearance	**6**	

TERM	OUTCOMES	TIME ALLOTMENT (in hours)	
		Theoretical	Demonstration/ Practical Work
	LO3.2. After turning assigned ships, compare and contrast the Advance, Transfer, and Tactical Diameter of the two ships with dissimilar characteristics or in varying situations or conditions in terms of such as: 2.1. Deadweight 2.2. Draught and Trim 2.3. Speed 2.4. Under-keel clearance		**6**
	LO3.3. After stopping assigned ships, compare and contrast the Head Reach, Track Reach, Side Reach, and Stopping Time of the two ships with dissimilar characteristics or in varying situations or conditions such as: 3.1. Deadweight 3.2. Draught and Trim 3.3. Speed 3.4. Under-keel clearance		**6**
	LO3.4. Explain the effects of the wind on the course-keeping capability of a ship that is: 4.1. Slowing down, coasting, or stopping 4.2. Making a large turn 4.3. Making a stern way	**4**	
	LO3.5. Explain the precautions that ship officers should consider when handling a ship in a river or a narrow channel that is affected by strong currents	**2**	
	LO3.6. Explain the importance of speed management during ship handling and maneuvering in areas or waterways where effects of squat, shallow water, or similar factors are highly expected	**2**	
	LO3.7. Execute a safe turn and maintain safe navigation in a channel or river under varying conditions such as: • Wind • Current • Squat, Shallow Water, or similar effects		**6**
	LO3.8. Explain the precautions and procedures, based on industry practices or company guidelines, to be taken by the Team in the Bridge and/or Mooring Decks when:	**4**	

TERM	OUTCOMES	TIME ALLOTMENT (in hours)	
		Theoretical	Demonstration/ Practical Work
	8.1. Approaching an Anchorage Area 8.2. Anchoring in various weather conditions or characteristics of the seabed 8.3. Entering or Leaving a Port (from the point of berth to the breakwater, or vice versa)		
	LO3.9. Simulate or role-play the anchoring of a ship from a given position to the anchorage position to include the application of the procedures and precautions appropriate to the situation and using closed-loop communication between concerned personnel		**3**
	LO3.10. Simulate or role-play the safe mooring of a ship from the entrance of breakwater to berth including the application of the appropriate procedures and precautions and using closed-loop communication between concerned personnel		**3**
	LO3.11. Distinguish the three situations requiring the ship's use of a specific Man Over Board Maneuver 11.1 Immediate Action 11.2 Delayed Action 11.3 Person Missing Action	**4**	
	LO3.12. Execute correctly the Man Over Board (MOB) maneuver appropriate to the given situation		**6**
	Course Outcome Assessment		**12**
	Total Contact Hours	**90**	