

Annex A Curriculum Mapping - Bachelor of Science in Marine Transportation (BSMT)

REVISED CURRICULUM MAP BACHELOR OF SCIENCE IN MARINE TRANSPORTATION BASED ON THE STCW'78 CONVENTION INCLUDING THE 2010 MANILA AMENDMENTS				A-II/1	A-II/2													Third year: Total number of teaching hours 1008. Average number of contact hours 31.5 per week												
						Nav 1	Nav 2	Seam 1	Seam 2	Nav 3	Nav 4	MarEv	DWK 1	Mar Law	Mgmt 2	Seam 6	Seam 3	Seam 4	Seam 5	Mar Com	Mgmt 1	DWK 2	Nav 6	Nav 5	Nav 7	Met Q1	Met Q2	Mar Pow	BT	Total
						96	80	96	80	144	80	48	96	64	32	96	64	64	80	144	48	80	64	80	80	80	64	64	64	1072
Function 1: Navigation at the operational level																														
1	Plan and conduct a passage and determine position	1.1.1	Celestial navigation Ability to use celestial bodies to determine the ship's position	60						60																				
		1.1.2	Terrestrial and coastal navigation Ability to determine the ship's position by use of: (1) landmarks; (2) aids to navigation, including lighthouses, beacons and buoys; (3) dead reckoning, taking into account winds, tides, currents and estimated speed	214					140																					
			Thorough knowledge of and the ability to use nautical charts and publications, such as sailing directions, tide tables, notices to mariners, radio navigational warnings and ship's routing information	60			60																							
		1.1.3	Electronic systems of position fixing and navigation Ability to determine the ship's position by use of electronic navigational aids	30		30																								
		1.1.4	Echo-sounders Ability to operate the equipment and apply the information correctly	9		9																								
		1.1.5	Compass – magnetic and gyro Knowledge of the principles of magnetic and gyro-compasses	38		38																								
			Ability to determine errors of the magnetic and gyro-compasses, using celestial and terrestrial means, and to allow for such errors					4	4																					
		1.1.6	Steering and control systems Knowledge of steering control systems, operational procedures and change-over from manual to automatic control and vice versa. Adjustment of controls for optimum performance	6														6												
		1.1.7	Meteorology Ability to use and interpret information obtained from shipborne meteorological instruments	79																		79								
			Knowledge of the characteristics of the various weather systems, reporting procedures and recording systems																											
			Ability to apply the meteorological information available																											

Annex A Curriculum Mapping - Bachelor of Science in Marine Engineering (BSMarE)

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