

COURSE SPECIFICATIONS

Course Code	:	NAV 6								
Course Descriptive Title	:	Operational Use of ECDIS								
Prerequisite	:	NAV5			Corequisite	:	None			
Year Level	:	Third Year			Semester Offered	:	First Semester			
Course Credits	:	3 units	Theoretical Contact Hours Per Week		:	2 hour	Demonstration/Practical Work Contact Hours Per Week		:	3 hours
STCW Reference	:	STCW Table	Function	Competence		Knowledge, Understanding, and Proficiency				
		A-II/1	F1. Navigation at the operational level	C4. Use of ECDIS to maintain the safety of navigation		Navigation using ECDIS KUP1. Knowledge of the capability and limitations of ECDIS operations, including: .1 a thorough understanding of Electronic Navigational Chart (ENC) data, data accuracy, presentation rules, display options, and other chart data formats .2 the dangers of over-reliance .3 familiarity with the functions of ECDIS required by performance standards in force KUP2. Proficiency in operation, interpretation, and analysis of information obtained from ECDIS, including: .1 use of functions that are integrated with other navigation systems in various installations, including proper functioning and adjustment to desired settings				

				<ul style="list-style-type: none">.2 safe monitoring and adjustment of information, including own position, sea area display, mode and orientation, chart data displayed, route monitoring, user-created information layers, contacts (when interfaced with AIS and/or radar tracking), and radar overlay functions (when interfaced).3 confirmation of vessel position by alternative means.4 efficient use of settings to ensure conformance to operational procedures, including alarm parameters for anti-grounding, proximity to contacts and special areas, completeness of chart data and chart update status, and backup arrangements.5 adjustment of settings and values to suit the present conditions.6 situational awareness while using ECDIS including safe water and proximity of hazards, set and drift, chart data and scale selection, suitability of route, contact detection and management, and integrity of sensors
Course Outcome(s)	:	A-II/1 F1. C4.KUP1	CO1. Operate the Electronic Chart Display and Information System (ECDIS) for navigational safety as per the operator's/ manufacturer's manual.	
		A-II/1 F1. C4.KUP1.1		
		A-II/1 F1. C4.KUP1.2		
		A-II/1 F1. C4.KUP1.3		
		A-II/1 F1. C4.KUP2	CO2. Monitor, interpret, and analyse the information obtained from Electronic Chart Display and Information System (ECDIS), taking into account the limitations of the equipment, all connected sensors (including Radar and AIS where interfaced), and the prevailing circumstances and conditions.	
		A-II/1 F1. C4.KUP2.1		

		A-II/1 F1. C4.KUP2.2	
		A-II/1 F1. C4.KUP2.3	
		A-II/1 F1. C4.KUP2.4	
		A-II/1 F1. C4.KUP2.5	
		A-II/1 F1. C4.KUP2.6	