Part C. Course Syllabus (NAV 6)

COURSE	LEARNING OUTCOMES		TODICS	REFERENCES/ TEACHING
OUTCOMES	LECTURE	LABORATORY	TOPICS	BIBLIOGRAPHIES AIDS
CO1. Operate the Electronic Chart Display and Information System (ECDIS) for navigational safety as per the operator's/ manufacturer's manual.	LO1.1. Explain the operational capability and limitations of an ECDIS in terms of the following: a. characteristics of ENC data; b. data accuracy; c. presentation rules; d. display options and other data chart formats; e. functional requirements based on the latest performance standards; f. dangers of over-reliance on an ECDIS to the safety of navigation LO1.2 Explain the basic functions of operational control of ECDIS LO1.4 Differentiate between information layers, user chart layers, and event graphic LO1.6. Explain the difference		Significance of ECDIS in Navigation IMO Performance Standards Standard safety functions Operational Capabilities and Limitations in Navigation Chart Information	
	between a Vector Navigation Chart (VNC) and a Raster Navigation Chart (RNC)			
CO2. Monitor, interpret, and analyse the information obtained from Electronic Chart Display and Information System (ECDIS), taking into	LO2.1. Explain the significance of information derived from Electronic Navigational Charts (ENCs) to identify various navigational data such as course over ground (COG), speed over ground (SOG), and estimated time of arrival (ETA)	LO2.2. Display the information from Electronic Navigational Charts (ENCs) to identify various navigational data to ensure safety of navigation	· ·	





account the limitations of the equipment, all connected sensors (including Radar and AIS where	LO2.3 Explain the advantages and disadvantages of RADAR, RADAR Targets, AIS overlays, and other interfaced equipment to the effective use of ECDIS in relation to the safety of navigation	the ship to determine her safe passage using a validated preplanned route	٠	Various Navigationa Data Respond Alarms	al to	
interfaced), and the prevailing circumstances and conditions.	LO2.5 Explain the information related to safety of navigation, that may be obtained from the equipment interfaced with the ECDIS					

Notes:

- (1) The MHEIs are to develop Part D: Detailed Teaching Syllabus and Instructional Materials (IMs), and Part E. Course Assessment and Assessment Tools (ATs) which satisfactorily meet the requirements of the course as prescribed in the course outcomes and learning outcomes.
- (2) If there are additional course outcomes and learning outcomes, indicate the justification(s) below the template.
- (3) The MHEI may re-arrange the sequence of delivering the Course Outcomes along with its associated learning outcomes, provided that such re-arrangement is reasonable considering requisites and progressive learning.

NAV6 - COURSE DESCRIPTION

Provides basic theoretical knowledge and practical exercises on the various elements and functionalities of an ECDIS as an aid to navigation, such as electronic charts, performance standards, interfaces and overlays, and route monitoring.



