

**ANNEX B OF CMO NO. 20, SERIES OF 2015
BACHELOR OF SCIENCE IN MARINE TRANSPORTATION
COURSE SPECIFICATIONS**

Course Code	:	Nav 7
Course Descriptive Title	:	Voyage Planning
Course Credits	:	3 units
Lecture Contact Hours per Week	:	2 hours
Laboratory Contact Hours per Week	:	3 hours
Prerequisite	:	Nav 6
Reference/s	:	<ol style="list-style-type: none"> 1. Table A-II/1 of the 1978 STCW Code as amended Function: Navigation at the operational level 2. Table A-II/2 of the 1978 STCW Code as amended Function: Navigation at the Management Level 3. IMO Model Course 7.01 and 7.03 4. Annex A of CMO No. 20, Series of 2015 (Curriculum Mapping for BSMT)

COMPETENCE	KNOWLEDGE, UNDERSTANDING AND PROFICIENCY	TOPICS	APPROX HOURS
Maintain a Safe Navigational Watch	<i>Watchkeeping</i> The use of routeing in accordance with the General Provisions on Ships' Routeing	1. Weather Routing 2. Routeing in Accordance with General Provisions on Ship's Routeing	4 Hours
Plan a voyage and conduct navigation	Voyage planning and navigation for all conditions by acceptable methods of plotting ocean tracks, taking into account, e.g.: .1 restricted waters .2 meteorological conditions .3 ice .4 restricted visibility .5 traffic separation schemes .6 vessel traffic service (VTS) areas .7 areas of extensive tidal effects	1. Voyage Planning for All Conditions by Acceptable Methods of Plotting Ocean Tracks (MC 7.01) 2. Navigation and Monitoring of the Voyage (MC 7.01) 3. Log Books and Voyage Records (MC 7.01)	38 Hours
Determine position and the accuracy of resultant position fix by any means	Position determination in all conditions	1. Terrestrial observations, including the ability to use appropriate charts, notices to mariners and other publications to assess the accuracy of the resulting position fix (MC 7.01) 2. Modern electronic navigational aids with specific knowledge of their operating principles, limitations, sources of error, detection of misrepresentation of information and methods of correction to obtain accurate position fixing (MC 7.01)	16 hours 20 hours
TOTAL			78