

Course Description Form

Basic Course Specifications				
Course Title	: Practical Passage Plan			
Course Code	: TI 337			
Program on which the course is given	: <input checked="" type="checkbox"/> Bachelor	<input type="checkbox"/> Diploma	<input type="checkbox"/> Master	<input type="checkbox"/> Pre- PhD
Academic year	: 2015/2016			
Specialization (units of study)	: Application : 180 Hrs. Credit :3H			
Pre-Requisites	: S305			
Overall Course Objectives				
The course aims to enable the cadet should be competent to carry out voyage planning (Coastal and Ocean), the use of Admiralty Publication in voyage planning, Weather routing and the performance standards for electronic charts; According to STCW 1978 as amended in addition to IMO model course 7.03.				
Intended Learning Outcomes				
Knowledge and Understanding				
At the end of the course the students will be able to:				
a.1 Competent to carry out Coastal voyage planning.				
a.2 Competent to carry out Ocean voyage planning.				
a.3. 5Understand the performance standards for electronic charts.				
a.4. Define position lines and understand the methods to determine ship's position				
Intellectual Skills				
At the end of the course, students should be able to				
b.1 use of Admiralty Publication in voyage planning.				
b.2 Use of Weather Charts to determine the recommended route.				
b.3 Collect, analyses and evaluate information .				
Professional and Practical skills				
At the end of the course, students should be able to:				
c.1 Gain knowledge to the principals involved in planning a voyage.				
c.2 Conduct navigation and involved in appraising the intended passage, preparing and documenting the passage Voyage Planning.				
c.3 Voyage planning with ECDIS .				
c.4 Demonstrate plotting of ship's position on the chart using positions lines and methods of fixing.				
General and Transferable skills				
At the end of the course, students should be able to:				
d.1 Consider the voyage plan against adverse weather conditions.				
d.2 Consider the theoretical and practical use of the different types of electronic charts.				

Course content				
Lect. #	Topic	Hrs #	Practical	
1	Voyage Planning Introduction	9	9	
2	Appraisal, Elements and Publications of voyage planning	9	9	

3	Sextant parts and errors & Applications on marine compasses error	9	9	
4	Rule 10 Traffic separation Schemes and IALA Buoyage System & Chart Correction	9	9	
5	VTS Vessel Traffic Service and Bridge Resource Management	9	9	
6	Introduction to voyage planning with ECDIS (IMO Model Course 1.27)	9	9	
7	Assessment	9	9	
8	Planning of a passage between two ports from berth to berth	9	9	
9	Chart Familiarization, Simple passage planning and execution	9	9	
10	Chart work Exercises	9	9	
11	Keeping a navigational log and voyage records	9	9	
12	Assessment	9	9	
13	Great Circle Sailing	9	9	
14	Application on Time and Equation of Time	9	9	
15	Ocean Voyage Planning Introduction	9	9	
16	Application on Polaris Sight	9	9	
17	Chart Display and Information System (ECDIS) (IMO Model Course 1.27)	9	9	
18	Great Circle Sailing applications & Composite Sailing applications	9	9	
19	Chart Display and Information System (ECDIS) (IMO Model Course 1.27)	9	9	
20	Assessment	9	9	

Teaching & learning methods				
Practical Work , Group Work , Individual Study and Problem Study				
Facilities required for Teaching & learning methods				
<input type="checkbox"/> Computer Lab	<input type="checkbox"/> Overhead Slide	<input type="checkbox"/> Guided Sea Training work Book	<input type="checkbox"/> Charts & publications	<input type="checkbox"/> Bridge instruments
Students Assessment Methods				
Assessment submission Schedule				
Assessment#1:		Continuous		
Assessment#2:		Post voyage 4		
Assessment#3 :		During Final Training voyage		

Grading Method		
Attendance		None

Practical watch evaluation	<input type="checkbox"/>	Continuous 30 Marks
Presentations		None
Practical Assignments	<input type="checkbox"/>	20 Marks
Projects		None
Participation		None
Oral Examination	<input type="checkbox"/>	10 Marks
Final Examination	<input type="checkbox"/>	40 Marks
		Total 100%
*Assessment criteria shall meet the standards of the STCW 78 convention "as amended"; and in the light of the related IMO model courses		
List of References		
Course Notes		
Description	:	<ul style="list-style-type: none"> Guided Sea Training Book (Part 2)
Essential Books		
Description	:	<ul style="list-style-type: none"> RB Admiralty Manual of Navigation (Vo I. & Vo II.) RB The American practical navigator – Bowditch
IMO		
Description	:	<ul style="list-style-type: none"> R1 STCW,1978, as amended(ISBN 978-92-801-1528-4) ,R3 Ships routing R33 Resolution A.528(13)
Periodicals and publications		
Description	:	<ul style="list-style-type: none"> Training Nautical Charts, Plotting charts and Admiralty Publications
Others (websites, e-books...etc.)		
Description	:	<ul style="list-style-type: none"> International Convention on Standards of Training, Certification and Watch keeping for Seafarers (STCW),with Amendments.