

COURSE DETAILS			
COURSE CODE	:	NP 4122	
STATUS(COURSE TYPE)	:	Common Compulsory - BSc (NMS), BSc (NLM), BSc (NS)	
COURSE TITLE	:	NAVAL COMMUNICATION-II	
CREDITS	:	2 Credits	
TIME DURATION	:	Theory	Total 30Hrs
LEARNING OUTCOMES	:		
<p>At the end of the session the trainee will possess a fair knowledge on information and electronic warfare, sound knowledge on naval ceremonials, trainee will use communication equipments properly and encrypt/ decrypt classified documents correctly.</p>			
CONTENTS:			
<u>PERIOD</u>		<u>TOPIC</u>	
01-05		<u>Communication Instructions – Part II</u>	
		<u>General</u>	
		<p>a. <u>Frequencies</u> - Frequency Coordination, Harmful interferences, Frequency Planning.</p> <p>b. Call and Address Components of Message Heading- General, Use of Stations and Address Designators, Composition and Allocation, Assignment and Requests, Security of Call Sign and Address Groups.</p> <p>c. Special Instructions and Procedures- Records, General Calling Procedures, Coders, Enemy Contact Reports.</p>	
06-13		<u>Radio Telephone Procedure Part II</u>	
		<p>a. <u>Operating Rules</u> - General, Authentication, Establishing Communications, Sequence of Call Signs and Address Groups, Establishing Net, Establishing Communications, Establishing a Net (Tuning), Directing a Shift in Frequency, Directed and Free Nets, Delegating and Assuming Net Control, Radio Checks, Signal Strength and Readability, Preliminary Calls, Transmitting a Message, Relay, Repetitions, Checking the Group Count, Corrections, Cancelling Messages, Do not Answer Transmissions, Read Back, Receipt, Acknowledgement of Messages, Verifications, Break-in Procedure, Electronic, Radio and Emergency Silence, Closing Down.</p> <p>b. <u>Executive Method</u> - Purpose, Executive Method, Delayed Executive Method, Immediate Executive Method, Acknowledgement of Signals, Verification and Repetitions, Execution of Non-Executive Method Messages, Cancelling Tactical Messages.</p>	

- c. Miscellaneous Procedures - Method of Synchronizing Time, Grid References, Breakdown Procedure.
- d. Procedures for Reporting Enemy Contacts - Introduction, Transmission of Enemy Reports, Examples of Enemy Contact Reports.

International Code of Signals

- 1. Introduction, Signaling Instructions, General Signal Code, Medical Signal Code, Distress and Life Saving signals and Radio Telephone Procedures.
 - a. International Code flags and pendants.
 - b. Purpose of the International Code of signals.
 - c. Correctly uses of substitute flags.
 - d. Call using flags.
 - e. Use of identity signals.
 - f. Signaling azimuth or bearing, course, date, latitude, longitude, distance, speed, time.
 - g. Arrangement of the Code into - single-letter signals , two-letter signals for the General Section , three-letter signals beginning with 'M' for the , Medical Section.
 - h. Signaling depths.
 - j. Significance of text in brackets.
 - k. Single-letter signals for use between an ice-breaker and assisted vessels.
 - l. Codes and decodes messages, using the General Section.
 - m. Codes and decodes messages, using the Medical Section and complements.
 - n. Signal of distress.

14-19

Cryptography – Part II (Classified- SLN Student Only)

- a. SLN High Grade Crypto System- SINHALE. Access to classified information, Type of classified documents, Charge system, Losses, Destruction. Emergency destruction.
- b. Practical.

20-25

Naval Ceremonials

- a. Table of Precedence, Inters Precedence of the Armed Services in Sri Lanka.
- b. National Anthem, Honours and Salutes.
- c. Gun Salutes, Authorities Entitled to Gun Salute, Minute guns.
- d. Tri-Service Funeral Honours & Procedures.

26-29

Information warfare and Electronic warfare

- a. Introduction of IW & EW, Purpose Concept And Scope Of EW.
- b. EW Family Tree -, Electronic Support Measures, Electronic Counter Measures, Electronic Counter- Counter Measures.

30-40

Fleet Work II

- a. ANSB & ATP – Introduction, Usage, Encoding & Decoding Organization and Command.
- b. Leaving & Entering Harbour.
- c. Position, Course & Speed.
- d. Principle Rules for Maneuvering.
- e. Formation and Dispositions for a Combatant Force.
- f. Altering Course.
- g. Surface Screens for a Combatant Force.
- h. Reporting Enemy Contact, Scouting.

METHODS OF TRAINING AND LEARNING	:	Lectures, Readings, Listening, Demonstration, Discussions	
ASSESSMENT CRITERIA	:	Semester – end examination	70%
	:	Assignment	30%

RECOMMENDED READING

Royal Navy Communication publication (RNCP 3/9).
Book of Reference (BR 150).
Sri Lanka Navy Communication Publication (SLNCP1).
Allied Tactical Publication (ATP 1).
Allied Naval Signal Book (ANSB).
Allied Communication Publication (ACP 121(E)).