

<b>COURSE DETAILS</b>			
COURSE CODE	:	NP1012	
STATUS(COURSE TYPE)	:	Common Compulsory BSc (NMS), BSc (NLM), BSc (NS)	
COURSE TITLE	:	NAVAL COMMUNICATION – I	
CREDITS	:	2 Credits	
TIME DURATION	:	Theory	Total 30 Hrs
LEARNING OUTCOMES	:		
<p>On successful completion of this module trainees will be able to gain knowledge on basic doctrine and the principles of military communication and trainee will be confident to handle the classified documents, conduct basic naval ceremonials and carryout simple fleet manoeuvres.</p>			
<b>CONTENTS:</b>			
<b><u>PERIOD</u></b>		<b><u>TOPIC</u></b>	
01-09		<p><b><u>Communication Instructions – Part 1 –</u></b></p> <p>a. Introduction to Communication Branch.</p> <p>b. <u>Introduction</u>- Definitions–Communication, Message, Signal, Communication Role, History, Types of Communication System, Basic principles, Terminologies, Means of Communications, Means of Communication in Order of Security, List of Associated Publications.</p> <p>c. <u>Message Preparations</u>- Parts of message , Precedence, Forms of messages, DTG, Types of Messages, Address Component of a Message, Security classifications, Drafting the Text, Punctuation, Phonetic Alphabet, Expression Of Numbers, Date And Time In The Text, Key persons involving &amp; Responsibilities Signal Distribution, Words and phrases used. Formats.</p> <p>d. Special Considerations, Reduction of Message and the Telephone Traffic in an Emergency, Instructions on Mail and External Messenger Delivery by Communications Centres.</p>	
10-17		<p><b><u>Cryptography – Part 1 (Classified – SLN Students Only)</u></b></p> <p>a. Associated Books for Cryptography, Introduction, Terminology, Low grade (HELEX &amp; LANEX) cryptography, Practical.</p> <p>b. Communication security, How to achieve, Authentication, Reticence.</p>	

**18-21**

**Radio Telephone Procedure**

- a. Accuracy – Speech Techniques, Aids to Security, Rules for Spelling, Encrypted Text, Rules for Figures, Rules for Mixed Groups, Aids to Brevity, Legibility of Characters, List of Prowords.
- b. Discipline - Rules for Radio Discipline, Establishing communication, Radio checks, Radio Logging, Strength and readability.

**22-24**

**Visual Signalling Procedure**

- a. General - Books involved, Visual Operators, Basis, Use, International Morse Code, The Semaphore Characters, Allied Naval Signal Flags and Pennants, Semaphore Characters, Alphabetical and Numeral Flags, Numeral Pennants, Special Flags and Pennants, Substitutes.
- b. Visual Call Signs – General Instructions, Individual Ship Calls, Miscellaneous Organizations Afloat, Single Letter Type Indicator, Shore Signal Stations.
- c. Visual Procedure - Transmitting Techniques and Transmitting speeds, Logs and Files, Call Signs, Message Transmission.
- d. Practical - Morse symbols for the alphabet and numerals, Sends and receives Morse Signals by flashing light rate of at least 15 Characters per minute, Parts of a signal made by flashing, Sound signalling, single-letter signals requirements of the International Regulations for Preventing Collisions at Sea, Morse by hand-flags or arms, Distress signal by flashing light.
- e. Flashing Light- Procedures, Directional Procedures, Non-Directional Procedure, Calling, Answering and Receiving, Relaying Instructions, Special Procedures.
- f. Semaphore- General, Transmitting, Rate of Signalling, Reading Signalling Prosing and Operating Signals, Numerals, Transmission of Signals from Signal Book.
- g. Flaghoist- Flags and Pennants, Call Signs, Address Groups and Sequence Numbers, Message Constructions, Heading, Omission of Heading, Modification and Construction of heading Text, Use of Tackline, Order of Reading Flag Signals.
- h. Miscellaneous Systems- Sounds, Infrared Communication, Panel Signalling, Pyrotechnics.

<b>25-32</b>	<b><u>Basic Naval Ceremonial</u></b>		
	<p>a. Introduction, Associated Books for Ceremonials.</p> <p>b. <u>Flags</u> - National Flag, Ensigns, President Standards, President Colours, Distinguishing flags, Masthead Pennant, Salutes &amp; Mark of respects.</p> <p>c. Colours&amp; Sunset. Dressing &amp; Illuminating Ship, Half-mast, Salutes and marks of respect by Bugle &amp; Gun, Scale of Gun Salute, Salute between Ships, Piping the Side, Parade Guard &amp; Band. Flags in Boat, Masthead Pennant, Flags on Motor Cars, Star Plates on Motor Cars.</p>		
<b>33-40</b>	<b><u>Fleet Work I</u></b>		
	<p>a. Associated Books for Fleet Manoeuvring.</p> <p>b. Organizational and Manoeuvring Definitions.</p> <p>c. Basic Formation 1-12.</p>		
<b>METHODS OF TRAINING AND LEARNING</b>	:	Lectures, Readings, Listening, Demonstration, Discussions	
<b>ASSESSMENT CRITERIA</b>	:	Semester – end examination	100%
<b>RECOMMENDED READING</b>			
<p>Allied Communication Publication (ACP 121(E)).          Royal Navy Communication publication (RNCP 3/9).          Book of Reference (BR 150).          Sri Lanka Navy Communication Publication (SLNCP 1).          Allied Tactical Publication (ATP 1).          Allied Naval Signal Book (ANSB).</p>			