

OM4



FISHERIES TRAINING CENTRE

FISHING VESSEL
PERSONNEL COURSE
SYLLABUS "PART A & B"

REPUBLIC OF KIRIBATI

Control Number

.....

**Syllabus for Fishing Vessel Personnel Course
(in compliance with STCW-F 95 convention)**

Produced by:

Fisheries Training Centre
Academic Board
P.O Box 295
Bikenibeu, Tarawa

Fishing Vessel Personnel Course Syllabus

Scope

This course is designed to prepare the trainees for an assignment on foreign going fishing vessels of any length and power as a deck and engine rating.

Objective

a) On the completion of this course, trainees will meet the mandatory minimum requirements for certification of ratings in the fishing operation on pole & line, purse seine and long line foreign going fishing vessels of any power and basic safety training and instruction for fishing vessels personnel in accordance to Chapter III/Reg.1, Chapter VI/Reg.1, Resolutions 3, 4, 5, & 9 of the STCW-F '95 convention. Special reference was also made to the following; the Code of Safety for Fisherman and Fishing Vessels Part A – 2005-edition, the Document for Guidance on Training and Certification of Fishing Vessel Personnel – 2001-edition and the 1993 Torremonilos Protocol & Torremonilos International Convention for the SAFETY OF FISHING VESSELS Consolidated Edition 1995.

Prerequisites

Applicants must be aged between 18 and 30 years.

The requirements concerning medical fitness for sea service have to be fulfilled.

Class 9 or Form 3 Junior Secondary Certificate must be completed.

Basic knowledge of the English language is required.

Overview

The course contains the following Modules as tabulated below and are delivered in English with the exception of the Japanese Language:

Module	Name of the Module	Periods Junior Stage	Periods Senior Stage	Periods Total
Module 1*	Pole & Line Fishing	40	58	98
Module 2*	Purse Seine Fishing	40	80	120
Module 3*	Long Line Fishing	24	65	89
Module 4*	Basic Fire Prevention and Fire Fighting	94	53	147
Module 5*	Survival Techniques	34	45	79
Module 6*	Engine Knowledge	34	30	64
Module 7*	Ship Handling	51	17	68
Module 8*	Shipboard Operation	51	30	81
Module 13	Japanese Language	272	182	454
Ancillary Course		00	00	00
Module 9	Personal Safety & Social Responsibility	0	20	20

Module	Name of the Module	Periods Junior Stage	Periods Senior Stage	Periods Total
Module 10	General Knowledge	0	20	20
Module 11	Elementary First Aid (<i>Kiribati Red Cross Society</i>)	0	80	80
Module 12	Human Relation & Personal Conduct (<i>Alcoholic Awareness & Family Recovery centre</i>)	0	80	80
	Total	640	760	1400

Note: an asterix (*) means, the module's Practical delivery will be carried out during; an on board training, at MTC or at the Bonriki Fire Brigade Fire Facility.

Duration of the Course.

The course takes 12 months (52 weeks) to complete and it simulates the length of contract a Fisherman must expect to get from employing companies through registered recruiting agencies in Kiribati. Of the 52 weeks, the Junior stage will take the first 19 weeks, 2 weeks for a mid course break and the rest will be for the Senior stage , 1 week in addition will be used for formalities in preparation for the trainees Graduation.

The Junior Stage.

At this stage the trainees will be introduced to 9 modules namely; Modules 1, 2, & 3 Fishing Techniques (Pole & Line, Long line, Purse seine), Module 4 Basic Fire Fighting & Fire Prevention, Module 5 Personal Survival Techniques, Module 6 Engine Knowledge, Module 7 Ship Handling, Module 8 Shipboard Operations, and Module 13 the Japanese Language skills.

Upon completion of the junior stage, the trainees are expected to have a basic knowledge of the skills required for a Fisherman and appreciate the importance of such skills and have acquired a familiarity of the Japanese language at elementary level.

The Senior stage.

At this stage, trainees who had successfully completed the junior stage will go through a more comprehensive part of the modules taught at the junior stage and thence build up their skills to a level of competence. Additionally 6 modules will be delivered at this stage, and these includes; Module 9 Personal Safety & Social Responsibility, Module 10 International Safety Management, Module 11 International Ship & Ports Facility security, Module 12 Basic First Aid, Module 14 Human Relation & Personal Conduct and Module 15 General Knowledge.

Onboard training will be carried out at this stage for Practical delivery of Modules concerned and for the trainees to demonstrate their capacity to apply such knowledge and also to give the trainees a firsthand experience of the job of the Fisherman at sea.

Ancillary courses:

These courses forms part of the Fishing Vessel personnel course but are delivered separately from the other 9 modules. All trainees need to pass all.

1. Short courses run by the Fisheries Training Centre.

The following short courses are conducted in 1 week by the Fisheries Training centre:

- a) Module 9. Personal Safety and Social Responsibilities.
- b) Module 10. International Safety Management
- c) Module 11. International Ship & Port Facility Security
- d) Module 15. General Knowledge

2. Courses run by External Organizations. (Local specialist in the field)

- e) Module 12. Elementary First Aid. Conducted by the Kiribati Red Cross.
- f) Module 14. Human Relation & Personal Conduct by the Alcoholic Awareness & Family Recovery Centre (AAFR)

Human Relation & Personal Conduct is incorporated in the course to promote the trainees awareness of the impacts and other related issues regarding Alcohol and Family problems which could affect the everyday life of a fisherman while on duty on a Foreign Fishing vessel. Living in campus under tight discipline following daily routine and standing orders is also part of their Personal Conduct training.

Summary for the whole course.

Induction	1	Week
Junior Stage	16	weeks
Revision	1	Week
Junior Stage Exam	2	weeks
Mid Year Break	2	weeks
Senior Stage	15	weeks
On Board Training (for 1 class)	4	weeks
Revision	1	Week
Senior Stage Exams	2	Weeks
Basic First Aid (by the Kiribati Red Cross)	2	weeks
Human Relation & Personal Conduct (by AAFR)	2	weeks
PSSR, ISM, ISPS & General Knowledge	1	Week
Formalities & Passing Out Preparation	1	Week
Public Holidays	2	weeks
Total:	52	weeks

One Year Fishing Vessel Personnel Course

52 weeks x 5 days x 8 periods = 2080 periods

One Year Fishing Vessel Personnel Course Breakdown

Induction for Institutional Standing Orders & Rules

1 week x 5 days x 8 periods = 40 periods

Junior Stage

16 weeks x 5 days x 8 periods = 640 periods,

Revision

1 week x 5 days x 8 periods = 40 periods

Junior Stage Exam

2 weeks x 5 days x 8 periods = 80 periods,

Mid Year Break

2 weeks x 5 days x 8 periods = 80 periods

Senior Stage

19 weeks x 5 days x 8 periods = 760 periods,
(4 weeks out of 19 weeks S.S will be onboard training for each class)

Revision

1 weeks x 5 days x 8 periods = 40 periods

Final Exam

2 weeks x 5 days x 8 periods = 80 periods

Ancillary Courses

5 weeks x 5 days x 8 periods = 200 periods

Formalities

1 weeks x 5 days x 8 periods = 40 periods

Public Holidays

2 weeks x 5 days x 8 periods = 80 periods

Total = **2080 periods** = **J + S + O**

J
Commence of Course to end of Junior Stage: = 20 weeks x 5 days x 8 periods = 800 periods

S
End of Junior Stage to end of Senior Stage: = 24 weeks x 5 days x 8 periods = 960 periods

O
Ancillary Courses, Formalities and Public Holidays: = 8 weeks x 5 days x 8 periods = 320 periods

Training facilities

The Fisheries Training Centre provides the following facilities:

- General

- 1 Administration office (for the institute administering and management, instructors, staff, training and reception)
- 4 classrooms (3 x 25, 1 x 15 trainees)
- 2 Dormitories (each with a capacity of 100 trainees)
- 2 blocks for toilet and shower
- 1 toilet and shower for ladies and galley personnel
- 1 Catering building (mess room, galley and food storage)
- 1 laundry
- 1 video room (60 trainee capacity) for audio and visual delivery of training materials
- 1 medium size Local Meeting house (15.75 x 9.15 m = 144 square metre floor space)
- 2 storage rooms (stationeries and hardware)
- 1 gangway hut (security gatehouse)
- 1 engine workshop
- 1 carpenter workshop
- 1 small local house (maneaba) for visitors' shelter and convene
- 3 cement rainwater cistern (480 cubic metres capacity)
- 1 room for storage of FFE & LSA

- Deck department

- 20 20 cm wooden fibre rope splicing fid
- 12 bench vices for wire rope splicing
- 12 steel splicing spikes
- Miscellaneous – steel wire ropes, fibre ropes,

- Fishing Department

- 1 long line winch hauler
- 100 assorted fishing rods
- 1 26 ft fibreglass outboard open boat
- 1 29 ft fibreglass inboard boat
- 1 40 hp Outboard Engine
- 1 Pole & Line practical fishing platform
- 12 Bench Vices
- Miscellaneous (assorted fishing accessories, hooks, lines, net needles, thimbles, snaps, boots, raincoats, swivels

- ***Engine Department***

- 1 electric arc welding machine
- 1 gas cutting unit
- 1 fixed drilling machine
- 1 Cut-out engine model for training
- 1 Air compressor
- Miscellaneous – assorted tools, work benches,

- ***Fire fighting equipment***

- 3 breathing apparatus sets, 5 air bottles + 3 BA sets with 8 spare bottles
- 2 aluminised fireman's outfits
- 12 ABC dry powder fire extinguishers (9.0 kg)
- 1 25kg ABC powder refill
- 1 dry powder refilling device
- 1 1 BA Compressor #PE100-TW
- 1 dry powder portable extinguisher filling set
- 3 chemical foam extinguishers
- 20 chemical charges for chemical foam extinguishers
- miscellaneous (fire helmets, axes, boots, cut away portable extinguishers, CO2 charges, ...)

- **Survival**

- 1 life raft
- 2 survival suits (SOLAS approved)
- 50 adults lifejacket (SOLAS approved)
- 12 inflatable lifejackets (vest)
- 12 lifebuoys
- miscellaneous (pyrotechnics, Line Throwing Device,.....)

- **Others**

- 1 gangway hut and fencing with control entry point for ISPS implementation and training
- 1 video projector
- 1 portable laptops for lecturing
- 2 Video and DVD set (1 used for trainees entertainment)
- 3 computers set
- 1 laptop computer
- 1 digital and video camera set
- 1 Miscellaneous (nautical & maritime publications, assorted training DVD's...etc.)

The use of the above-mentioned facilities is closely related to the theoretical and practical delivery of the course modules where applicable.

Assessment and Control

English language is used for all assessments in all modules. English & Japanese Language is used for Japanese Language assessments.

Continuous Assessment and Control

Trainees are assessed continuously throughout the course, through class work, written and practical tests. At the end of each stage, examinations are carried out in the written form, practical and or oral. Such assessments should reflect the objectives given in each module with reference to the STCW-F 95. Trainees who fulfill all assessments with passed results throughout the course will be awarded with a certificate of competency to serve as a rating on foreign fishing vessels.

This certificate fulfils the standards' required of Chapter III/Reg.1, Chapter VI/Reg.1, Resolutions 3, 4, 5, & 9 of the STCW – F 95 Convention.

Tests

At the end of each module unit, trainees are to be given a written and/or practical test to ascertain how much the trainees had absorbed. Trainees failing the unit tests are to be given extra study hours under close guidance of the responsible instructor and in accordance with FTC Rules for trainees and the Quality Management System. Re-testing of these trainees will be conducted after a considerable time of extra study hours has been given and when the instructors concerned are satisfied that they are ready. A test at the end of the topic is also a self evaluation process of instructors.

End of Stage Exam

Before the end of each stage, Junior & Senior Stage, trainees are to be given 1 week revision in preparation before they sit for Exams.

Junior Stage Exam covers all the topics taught from the beginning to the end of the Junior Stage. Exams are in the form of Written, Practical Demonstrations and or Orals.

Senior Stage Exam comprises with Written, Practical and Orals. Trainees could be assessed/evaluated in a group or individually for practical exams.

All results, progress and examinations are tabulated and then given to the academic board for justification as per FTC Quality Management System – Part B section 3.10

The table below represents a guideline to the scoring of any assessment in all modules.

%*	meaning	mark	result
95 to 100	excellent	1	pass
80 to 94	very good	2	pass
65 to 79	good	3	pass
50 to 64	satisfactory	4	pass
less than 50	poor	5	fail

* Percentage of the maximum possible result

Reference to the STCW-F 95 Conventions.

In order to meet the minimum standards required by Chapter III/Reg.1, Chapter VI/Reg.1, Resolutions 3, 4, 5, & 9 of the STCW-F'95 the following tables are developed:
(With special reference to Chapter 7, section 2 of the Document for Guidance on Training and Certification of Fishing Vessel Personnel. 2nd Ed 2001)

Competency Area: (Note: * = not mandatory under STCW-F 95)	Functional skill components: (Note: * = not mandatory under STCW-F 95)	FTC Module unit.
7.2.15 Life saving a) Apply personal survival techniques.	Identify emergency procedure responses, Identify personal survival procedures.	5.2,5.7,5.8, 5.9, 5.10
b) Operate and maintain emergency equipment.	Use lifejackets and lifebuoys. Use flares and rockets. Use liferafts and lifeboats. Maintain emergency equipments.	5.3, 5.4, 5.5, 5.6, 5.10
7.2.9 Fire Prevention and Fire fighting. Apply Fire Prevention and Fire fighting.	Identify classes and chemistry of fire. Apply fire safety procedures. Use portable and fixed fire fighting equipments.	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12
7.2.12 Maritime law Prevent pollution of the marine environment.	Identify responsibilities under the International Convention for the Prevention of pollution from ships.	9.4
7.2.11 Medical care Render first aid to injured person.	Apply basic first aid procedures.	12.1, 12.2, 12.3, 12.4, 12.5, 12.6, 12.7, 12.8 (Delivered by an external provider, the Kiribati Red Cross.)
7.2.10 Emergency	Follow emergency procedures specified in	4.3, 4.5, 4.7, 4.8, 4.11,

Procedures Respond to emergency situations involving fishing vessel personnel.	the vessels contingency plans. Identify relevant emergency situation duties and responsibilities. Identify appropriate action to be taken following a Fire or Collision. Indicate procedures to be followed in abandoning the fishing vessel. *Identify man overboard procedures.	4.12, 4.13, 5.2, 5.7, 5.10
*7.2.7 Fishing vessel construction and stability Catch handling and stowage.	Identify the effect upon the vessel of catch handling and stowage factors.	1.3,1.8, 3.1.1,3.1.8
*7.2.19 Code of conduct for Responsible Fisheries 1) Principles and guidelines of the code of conduct.	Explain the objectives of the code of conduct.	1.2, 1.3,1.4, 3.3,
2) Responsible harvesting practices.	Describe the effect of discards and by-catch. Identify causes of habitat damage through fishing operations. Apply recommendation with regard to the disposal of unserviceable fishing gear.	1.3,2.1,3.1.1,3.1.2, 3.1.3
3) Responsible fishing gear / selectivity.	Explain the importance of fishing gear selectivity. Explain factors that affect size selectivity. Explain factors that affect species selectivity.	1.3,2.1.5,2.1.4,2.2,3.1, 3.2, 3.1,3.2, 1.5, 3.1, 2.1
4) Energy optimization.	Explain the various factors that can optimise energy use in the fishing industry.	1.9,3.1.3, 3.1.3
5) Duties of all States.	Identify the relevant national Administrations and their fisheries responsibilities.	10
6) Flag State duties.	Identify the relevant national Administrations and their responsibilities with regard to fishing vessels and fishing personnel.	10
7) Port State duties.	Identify the actions that can be taken by a port state.	10
7.2.17 Safety and health for fishing vessel personnel. 1) Apply safety and health practises for fishing vessel	Apply safety precautions and procedures for fishing vessel personnel. Apply safety precautions associated with the operation of fishing gears.	1.8, 3.3, 3.4, 2.1, 2.2

personnel.		
*7.2.1 Navigation and position determination. Use terrestrial observation and coastal navigation.	Identify navigational hazards.	7.7, 7.9
*7.2.4 Magnetic and Gyro compass. Use the compass	Steer a compass course. Maintain a compass.	7.5.3, 7.5.4, 7.5.5

Non STCW – F '95 Modules.

The Fisheries Training Centre, in addition to the requirements of the STCW-F95' convention, also delivers the following modules to enhance efficiency and reliability of its graduates onboard fishing vessels;

Module 6. Engine knowledge. Module 8. Shipboard Operations. Module 13. Japanese Language is done exclusively so that the successful trainees can get employment opportunity on Japanese fishing vessels otherwise English language is used.

Fishing Vessel Personnel Course Syllabus Part B

Module 1 Pole & Line

Module	Title	Units	Objectives	Periods
1.1	Fishing operation	- Fishing Grounds and seasons	Provides background information of the different fishing grounds and their seasons	3
1.2	General information of duties on pole and line skipjack fishing boat	- Assignment of duty and work. - Number of crew	The unit specifies the crews various tasks aboard an active Pole & Line fishing vessel	4

1.3	Outline of works during one voyage	<ul style="list-style-type: none"> - Preparatory work (shikomi) before sailing - Loading of live bait - Work during the outgoing voyage - During operation (fishing) - Return voyage - Landing fish and ship replenishment. 	Detailed outline of works such as <ul style="list-style-type: none"> - preparatory works - bait loading - fishing - return voyage and catch landing 	12
1.4	General rules for pole and line skipjack fishing boat	<ul style="list-style-type: none"> - Harmony throughout the ship - Enthusiasm and strong determination - Discipline 	The ship as a safe and productive home, environment and workplace is emphasised to trainees in this section	2
1.5	Behaviour and the Ecology of skipjacks	<ul style="list-style-type: none"> - Species of skipjacks - Behaviour of skipjacks - School of skipjacks - Kind and behavior of birds 	Trainees are to be able to identify different school of tuna species and sizes with associated birds and bird's behaviour.	11
1.6	Behaviour of Bait Sardines	<ul style="list-style-type: none"> - Species of sardine - Characteristics of sardines and how to handle them - Learning feeding method 	Trainees are to be familiar with different tuna baits and handling of these delicate baits	8
1.7	Fishing Gear	<ul style="list-style-type: none"> - Lure hook (Bake or Chan) - Fishing Pole 	At the end of this section, trainees are expected to be practically competent with lure designing as per targeted catch, pole size to use and fishing pole preparation	18

1.8	Fishing Work	<ul style="list-style-type: none"> - Fishing method of pelagic skipjack - Safety Precautions - Cautions in handling skipjack - Preventive measures for falling into the sea - Other safety measures and precautions 	This section covers the demonstrations on various practical pole and line fishing techniques used by fishermen to exert maximum lift power while preserving ones strength and safety precautions.	31
1.9	Use of skipjack in Japan	<ul style="list-style-type: none"> - Marketed fresh - Canned and dried products - Relationship between supply and use of skipjack 	Fish quality and the importance of fish preservation are highlighted in this section for marketing persistence.	6
		Topic Reviews and Recap		3
			Total : Total Senior Stage:	98

Module 2 Purse Seine

Module	Title	Units	Objectives	Periods
2.	Introduction		Provides background information of the Purse Seine fishing Vessels operating throughout the Western Central Pacific	1
2.1	Purse Seine Operation	<ul style="list-style-type: none"> - Overview of Purse Seining - Principles of purse seine gear - General operation principles - Setting and hauling procedures - Search for school fish - Gears maintenance 	Providing the basic knowledge to understand and recognize the overview and principles of Purse Seining operations - Thoroughly understand all the details of procedures of setting and hauling net with useful terms used onboard	17

Module	Title	Units	Objectives	Periods
2.2	Net work (theory)	<ul style="list-style-type: none"> - Basic Principles - Tools - Parts of netting - Knots used in nets - Preparing net for repair - Sewing a hole - Putting in a patch - Strengthening, joining and hanging netting - Net work Practical 	<p>This unit will introduces to the trainees net mending basic principles, tools, parts of netting, knots used in nets, repair, sewing the hole, putting in a patch, and other necessary practical knowledge when working on fishing nets. Practical Net working where trainees are to design own net from the very beginning stage to meet the standard of skills with confidence using all available tools found aboard a Purse Seine fishing boat.</p>	99
		Topic Reviews and Recap		3
			Total	120

Module 3 Longline

Module	Title	Units	Objectives	Periods
3.1	Basic information and techniques	<ul style="list-style-type: none"> - What is horizontal Longline - The Western and Pacific Ocean tuna Longline fishery - The catch: target species - Bait used in Longline fishing - Knots used with monofilament and the use of crimps - Longline boats 	<p>- Introduction of the Longline fishing boat so that trainees may be able to identify different fishing boats. This unit also provides sound background knowledge of a Longline fishing vessel with targeted catch and general understanding of basic history of fishery in the Pacific region.</p>	16

Module	Title	Units	Objectives	Periods
3.2	Fishing Gear and Equipment	<ul style="list-style-type: none"> - The Longline: basic gear configuration and storage - Hydraulically powered machinery used with Longline gear - Mainline and branchline materials and connection points - Branchline hardware - Making up branchlines - Floats, flagpoles and float lines - Radio buoys - Vessel electronics - Vessel hydraulics 	At the end of this section, Trainees are expected to be familiar with the equipments used and able to assemble a Longline fishing gear using the various tools found aboard a Longline fishing vessel.	18
3.3	Fishing Operation	<ul style="list-style-type: none"> - Preparing for a fishing trip - Deciding where to fish: when leaving port - Deciding where to fish: when arriving at the fishing ground - Deciding where to fish: during the trip - Targeting the gear: depth of set - Setting and hauling the gear: general - Setting monofilament gear - Setting rope gear, setting time, data recording and soak time - some variations on setting - finding the gear - Hauling basket gear - Hauling monofilament gear - Encountering problems when hauling the gear - Fish on the line 	Trainees are to appreciate the normal operations and practical aspects aboard a Longline fishing vessel with problems associated with line hauling.	38

Module	Title	Units	Objectives	Periods
3.4	Handling and Preserving the Catch	<ul style="list-style-type: none"> - The basic and the tools needed - Landing, killing and bleeding the catch - Dressing sashimi tuna ready for the chilling - Onboard preservation(icing the catch) - Onboard preservation (CSW and RSW) - Onboard preservation (freezing) - Cleaning & Sanitising 	At the end of this Section trainees are expected to familiar with the Fish Handling and Catch Preserving in their cooling points and conserving from the contaminated of the bacteria	14
		Topic Reviews and Recap		3
			Total	89

Module 4 Basic Fire Fighting & Fire Prevention

Module	Title	Units	Objectives	Periods
4.1	Module Introduction	<ul style="list-style-type: none"> - Introduction 	Describes and explains the nature of Fire, its drastic impact if not prevented and or put under control by Fishing vessel personnel and or the personnel onboard do not have the skills for preventing and to put it under control.	1
4.2	Chemistry of Fire	<ul style="list-style-type: none"> - Theory of combustion and the fire triangle - Flammable materials - Ignition temperatures, flashpoint and Firepoint - Sources of ignition - Speed of combustion, heat transfer and spontaneous combustion - Fire classes 	Trainees to understand the following and identify factors associated with combustion and the elements needed for fire to occur; <ul style="list-style-type: none"> - theories of combustion and the Fire Triangle - Flammable materials - The differences of Ignition Temperatures, Flash Point and Fire Point - Sources of Ignition - Speed of combustion, heat transfer and Spontaneous combustion - The different Fire Classes 	9

4.3	Firefighting Equipments	<ul style="list-style-type: none"> - Extinguishing agents - Fire pump and emergency fire pump - International shore connection - Firemain and accessories - Foam generating equipments - Fire extinguishers - Fire blankets 	<p>Trainees are expected to:</p> <ul style="list-style-type: none"> - Distinguish Extinguishing Agents - Able to operate the Fire Pump and Emergency Fire Pump and their main purpose - Recognize and the use of the International Shore Connections - Be very familiar with the Fire main arrangement and Accessories - Foam Generating Equipment. - Able to identify different Fire Extinguishers and their uses - Be able to extinguish small galley (pot/pan) fire using the Fire Blanket. 	21
4.4	Causes of fires and Preventive measures	<ul style="list-style-type: none"> - Hot work, smoking - Galley and hot appliances - Unauthorised construction - Electrical installations 	<p>Trainees to understand and appreciate the importance of Fire prevention relating to the following:</p> <ul style="list-style-type: none"> - Hot Work, Smoking - Galley and Hot Appliances - Unauthorized Construction - Electrical Installations 	4
4.5	Fire in different ships spaces	<ul style="list-style-type: none"> - Engine room - Pumproom - Accommodations - Cargo spaces - Paint stores - Battery room - Ship stores - Bunkering operations 	<p>Trainees are to know the various actions required in the outbreak of fire in:</p> <ul style="list-style-type: none"> - Engine Room - Pump Room - Accommodations - Cargo spaces - Paint Stores - Battery Room - Ship Stores - Bunkering Operations 	8
4.6	Fireman's outfit	<ul style="list-style-type: none"> - Heat protection suit - Helmets, boots and gloves - Safety line - Breathing apparatus 	<p>Trainees are to be very familiar with the Outfit and to know how and when to use Heat Protection Suit Helmets, Boots & Gloves Breathing Apparatus</p>	16

4.7	Fire detection	<ul style="list-style-type: none"> - Fire patrols, safety rounds and watchman's duties - Behaviour when detecting a fire - Fixed mechanical fire detectors - Fire alarm and other alarm systems 	<p>Trainees to understand the importance of the following -</p> <p>Fire Patrols, Safety Rounds and Watchman's Duties, behavior When Detecting a Fire, fixed Mechanical Fire Detectors, fire Alarm & Other Alarm Systems</p>	8
4.8	Musterlist, squads and drills	<ul style="list-style-type: none"> - Musterlist - Musters - Fire squads - Fire drills 	<p>Trainees are expected to appreciate the following with respect to emergencies:</p> <ul style="list-style-type: none"> - Muster List - Muster - Fire Squad & - Fire Drill 	7
4.9	Fixed firefighting installations	<ul style="list-style-type: none"> - Fire main - Carbon dioxide flooding system - Foam system - Sprinkler system - Dry powder 	<p>Trainees are to distinguish the following and to be able to work with such system:</p> <ul style="list-style-type: none"> - Fire main - Carbon Dioxide flooding System - Foam System - Sprinkler System - Types of Fire Extinguishers 	12
4.10	Breathing apparatus	<ul style="list-style-type: none"> - Approved types - Main categories - Breathing apparatus and rescue party - Pre operational checks - Operations - Function checks - In the case of overpressure breathing apparatus - Using the compressed air breathing apparatus - Maintenance and tests - Set tally - Emergency escape breathing apparatus 	<p>Trainees are expected to recognize</p> <ul style="list-style-type: none"> - Approved Type - Main Categories - Breathing Apparatus and Rescue Party - Pre Operational Checks - Operations - Function Checks - In The Case of Overpressure Apparatus - Using the Compressed Air Breathing Apparatus - Maintenance and Tests - Set Tally - Emergency Escape Breathing Apparatus 	31
4.11	Fire fighting safety	<ul style="list-style-type: none"> - Fire precautions 	<p>Fire Fighters own safety is very important, therefore, Trainees are to be very familiar with Fire Precautions</p>	4

4.12	Fire fighting	<ul style="list-style-type: none"> - Actions in different ships spaces - Actions according different types / class of fires - Action to rescue persons 	Trainees should be able to know his apparent; <ul style="list-style-type: none"> - Actions in Different Ship Spaces - Actions According to Different Types / class of Fires - Actions to Rescue Persons 	12
4.13	Gas detection	<ul style="list-style-type: none"> - Conducts in hazardous spaces - Hazards of enclosed spaces - Portable gas detectors - Equipments - Oil cargoes - If hot work takes place - Rescues from enclosed spaces 	Trainees are expected to understand <ul style="list-style-type: none"> - Conducts In Hazardous Spaces - Hazards of Enclosed Spaces - Portable Gas Detectors - Equipments - If Hot Work Take Place - Rescues from Enclosed Spaces 	14
Total				147

Module 5 Personal Survival Techniques

	Title	Units	Objectives	Periods
5.1	General Introduction	<ul style="list-style-type: none"> - IMO resolution - FTC biography - National standard 	Basic knowledge of the different organizations under the IMO, incorporated with Fishing personal standard and regulations under different editions STCW-F'95, CSFFV and SFV.	1
5.2	Emergency Situations	<ul style="list-style-type: none"> - Types of Emergencies - Precautions - Duties of crew members in an emergency - Muster List, Muster Station, Types of Alarm 	Thorough knowledge of the muster list, the emergency alarms and the emergency stations, understanding of a crewman's duties during emergencies. Understanding and knowledge of types of emergency may occurred onboard a fishing vessel, and actions to prevent or minimize the danger	6

5.3	Life-saving Appliances	<ul style="list-style-type: none"> - Survival crafts - Survival suit and Thermal Protective aids - Life jackets - Lifebuoy or life ring and Man-overboard units - Man overboard procedure 	<p>Knowledge and understanding of the construction of these appliances and their functions. Practical skills and exercises in the usage of these appliances in the boat harbour including survival jump with a lifejacket and keep afloat with and without lifejacket. Procedure of recovering man-overboard and demonstration of how to wear life-jacket and survival</p>	18
5.4	Life raft	<ul style="list-style-type: none"> - Descriptions and Equipments of a life raft - Rigid life raft - Inflatable life raft - Launching of inflatable life raft - Righting of the life raft - Boarding of life raft 	<p>Knowledge and understanding of inflatable life raft, its' construction, packing and stowage arrangement and purpose of their markings. Practical skills and knowledge of launching the raft manually, boarding the raft, righting the raft in the sea. Knowledge and understanding of other release devices for the life rafts Good understanding of the raft's scope and limit of their maintenance and its' service.</p>	14
5.5	Lifeboat and Rescue boat	<ul style="list-style-type: none"> - Lifeboat and Rescue boat - Stowage, Launching and Boarding of a lifeboat - Rescue boat 	<p>Basic knowledge of different types of boat and constructions. Practical understanding of boat handling, launching and boarding Theological use and purpose of a rescue boat</p>	3
5.6	Global Maritime Distress Safety System (GMDSS) and Distress Signals	<ul style="list-style-type: none"> - Main components of GMDSS - GMDSS sea area - Searches and Rescue Transponder (SART) - Emergency Positioning Indicating Radio Beacon (EPIRB) - Distress Signals - Pyrotechnics and Line throwing apparatus 	<p>Knowledge of the general concept of GMDSS including handling, operation and the purpose and limit of the EPIRB, SART and the hand-held radio set. Good understanding and precautionary measure and awareness of the false alert of the GMDSS equipments.</p>	12

5.7	Survival at sea	<ul style="list-style-type: none"> - Conduct during an emergency - Conducts during Abandoning Ship - Ways of how to board life craft dry - Actions in the water and how to board a life raft from the water - Use of Survival craft facilities - Principal of Survival 	<p>Thorough knowledge and understanding of the abandoning ship emergency, conduct in an emergency, proper action and conduct to respond, act, perform tasks at the scene of the emergency, conduct in the survival craft.</p> <p>Theoretical and practical knowledge in launching and casting off at the scene of the emergency with a good understanding of the safety awareness in such situations.</p> <p>Theoretical knowledge and practical skills to survive, survival in distress, first-aid in the survival craft and the management of surviving and rescuing. Intensive practical exercises with equipment in the boat harbour / lagoon is required.</p>	7
5.8	Helicopter Assistance	<ul style="list-style-type: none"> - Communications with Helicopter - Evacuations from the ship, survival craft and open sea 	<p>Basic theoretical knowledge of rescue performed by helicopter, safety procedure, maintaining of communication during the operation</p>	3

5.9	Life-saving Appliances	<ul style="list-style-type: none"> - Launching and securing of a gravity davit - Launching and securing of a free-fall davit - Launching of a throw-overboard life raft - Boarding of a life raft dry and from the water - Righting life raft - Lifebuoy - recovering of man-board - Working vest - Survival suit - Thermal protective aids - Personal Survivals without a lifejacket 	<p>This unit covers the practical exercises of what has been taught in theory. Trainees may visit the MTC for practical survival exercises. In water exercises with a life raft and lifeboats. They will also learn how to lower and hoist a lifeboat and to appreciate what they have learnt.</p>	15
				79

Module 6 Engine knowledge

Module	Title	Units	Objectives	Periods
6.1	Tools and Workshop Safety		Knowledge for safety in the engine room and workshop and ability to identify tools with their usage	4
6.2	Introduction to Engines	<ul style="list-style-type: none"> ● Outline of motive power ● Classification of Motors ● Heat Engines ● Internal combustion engines 	Theoretical knowledge and classification of engines and how they work using internal combustion	4

Module	Title	Units	Objectives	Periods
6.3	Outline of the diesel engines	<ul style="list-style-type: none"> • Piston engine principles • 2-cycle engines and 4-cycle engines • Spark ignition engines and compression ignition engines • Outline of compression ignition 	Thorough knowledge of Piston engine principles and an understanding and recognition of a 2-cycle and 4-cycle engine with their compression process.	5
6.4	4-cycle diesel engines	<ul style="list-style-type: none"> • Intake stroke • Compression stroke • Expansion stroke • Exhaust stroke 	Distinguish and understand strokes in a 4-cycle engine which includes intake, compression, expansion and exhaust	4
6.5	2-cycle diesel engines	<ul style="list-style-type: none"> • Intake & Exhaust • Compression & Expansion 	Knowledge of a 2-cycle engine and how it works.	4
6.6	Parts of Engine	<ul style="list-style-type: none"> • Cylinder head • Valve • Valve drive system • Camshaft • Piston • Piston rings • Gudgeon pin • Blocks and liner • Connecting rod • Crankshaft • Bearings and Gears 	The trainees will learn the importance of Engine parts like cylinder head, valve, valve drive system, camshaft. Piston and piston rings, gudgeon pin, blocks and liner, connecting rod, crankshaft and bearings and gears and their functions.	12
6.7	Lubrication system	<ul style="list-style-type: none"> • Type of Lub Oils. • Lubrication principles 	The candidate will appreciate the lubrication system and diagram	4

Module	Title	Units	Objectives	Periods
6.8	Fuel System	<ul style="list-style-type: none"> • Types of Fuels • Purification of fuels • Fuel Pump • Fuel Injection 	Trainees will know the importance of fuel system and diagram	4
6.9	Cooling system	<ul style="list-style-type: none"> • Principles of cooling • Type of cooling system 	Trainees will know the importance of cooling system and diagram	4
6.10	Propeller	<ul style="list-style-type: none"> • Types of propellers • Propeller Shaft • Stern tube and frames 	Trainees will know the definition of a propeller, and the connection of different parts related to the propeller	4
6.11	Refrigerating	<ul style="list-style-type: none"> • Principles of refrigeration • Types of refrigerant • Hazards associated with refrigerant 	Basic theoretical knowledge of refrigerating system	4
6.12	Battery	<ul style="list-style-type: none"> • Safety precautions when working with batteries • Maintenance and care of Batteries • Parallel & Series connections 	Candidate will have a knowledge on battery and how it works	8
6.13	Gauges	<ul style="list-style-type: none"> • Types of gauges • Purpose of different gauges 	Knowledge on different types of gauges and their usage in engine.	3
			Total:	64

Module 7 Ship Handling

Module	Title	Units	Objectives	Periods
7.1	General Introduction	<ul style="list-style-type: none"> - IMO resolution - FTC biography - National standard 	Basic knowledge of the different organizations under the IMO, incorporated with Fishing personal standard and regulations under different editions STCW-F'95, CSFFV and SFV.	1
7.2	Nautical Terms	<ul style="list-style-type: none"> - Ship's Part - Mooring Terms - Common Nautical Terms - Anchor Terms - Flag Terms 	<p>Thorough knowledge of the fishing vessel parts and functions.</p> <p>Basic knowledge of Common Mooring terms, Anchor and Flag terms used.</p>	10
7.3	Flags	<ul style="list-style-type: none"> - Types of Flags and Placement on the halyard - International Codes of Signal - Reading of Hoist - Signalling Flags 	<p>Basic knowledge of courtesy, ensigns, house and signal flags. Priorities of hoist on the halyard.</p> <p>Able to read and understand content of the International Codes of Signal and use.</p>	8
7.4	Marine Instrument	<ul style="list-style-type: none"> - Compass - Steering Devices - Navigational Instrument. - Communication Equipments - Meteorological Instruments - Others 	<p>Knowledge of the construction and maintenance of a gyro and magnetic compass. Understanding and skill to correct errors affecting the magnetic.</p> <p>Basic knowledge ability to operate GPS, Echo sounder, and able to read the Thermometer</p>	12
7.5	Duties	<ul style="list-style-type: none"> - Look-out - Helmsman - Gangway watchman 	<p>Thorough knowledge of reporting in points of a compass.</p> <p>Thorough knowledge and understanding of steering orders and actions to take.</p> <p>Thorough knowledge of a Gangway duty.</p>	8
7.6	Sea Markers	<ul style="list-style-type: none"> - Regions - Lateral Mark - Cardinal Mark - Safe Water Mark - Isolated Danger Mark - Special Mark 	<p>Knowledge and understanding of marks in operative under IALA. Able to differentiate types of Sea Markers and purpose at night and day time.</p> <p>Theoretical skills in manoeuvring using models.</p>	9

7.7	Anchors	<ul style="list-style-type: none"> - Types of Anchors - Anchor chain - Use and Procedure 	<p>Ability to indentify types of anchors, construction and marks.</p> <p>Understand and knowledge of anchor chains, maintenance, understanding of markings on chains.</p> <p>Safety procedure and understanding of anchor terms used during anchorage.</p>	8
7.8	Rules of the Road	<ul style="list-style-type: none"> - Lights - Shapes for Day Signal - Day, Night, and Sound Signals. - Extra Signals use by Fishing vessel - Rules of the Road 	<p>Thorough knowledge and understanding of lights used by vessels.</p> <p>Shapes used by vessels at day time.</p> <p>Understanding of day, night signals to identify and the nature of the vessel.</p> <p>Basic knowledge on the duties of vessels in the crossing, head-on situations. Basic understanding and knowledge in a channel.</p> <p>Thorough knowledge and understanding of extra signals used by fishing vessels to clarify the nature of their work.</p> <p>Practical theological using models to apply Rules of the Road.</p>	12
				68

Module 8 Shipboard Operation

Module	Title	Units	Objectives	Periods
8.1	Shipboard operation	- Module introduction	Trainees to understand the importance shipboard skills required for efficient and safe running of shipboard activities.	1
8.2	Mooring operations	<ul style="list-style-type: none"> - Mooring terms - Mooring lines and equipment - Winches - Mooring operations - Safety in mooring operations 	<p>Trainees to be familiar with terms and practices during any mooring operation:</p> <ul style="list-style-type: none"> .1 Mooring terms .2 Mooring lines and equipment .3 Winches .4 Mooring operations .5 Safety in mooring operations 	6

Module	Title	Units	Objectives	Period s
8.3	Different hatch cover designs	<ul style="list-style-type: none"> - Sides and end rolling covers - Pontoon hatch covers - Single pull hatch cover - Lift and roll covers (Piggy-back) - roll-stowed covers-Rolltite - Folding hatch cover (Hydraulic or Wire operated) 	Trainees to be able to identify and therefore able to work safely with different types of hatchcovers. .1 Sides and end rolling covers .2 Pontoon hatch covers .3 Single pull hatch cover .4 Lift and roll covers (Piggy-back) .5 roll-stowed covers-Rolltite .6 Folding hatch cover (Hydraulic or Wire operated)	4
8.4	Safe slinging	<ul style="list-style-type: none"> - Safe slinging - Wrapping the sling around the load - Applying the sling to the body of the load - Slinging simple items 	Trainees must be able to use slings correctly and safely. .1 Safe slinging .2 Wrapping the sling around the load .3 Applying the sling to the body of the load .4 Slinging simple items	5
8.5	Cargo watch	<ul style="list-style-type: none"> - Reading of stowage plans - Common watch duties - Preventing accidents - Reactions on accidents 	Trainees must understand the nature and importance of keeping a cargo watch with respect to safety: .1 Reading of stowage plans .2 Common watch duties .3 Preventing accidents .4 Reactions on accidents	2
8.6	Working in cargo holds and tanks	<ul style="list-style-type: none"> - Confined space entries - Safety precautions that should be observed - When painting in tanks and cargo holds - Danger of explosion or Fire - Ventilation - Personal safety 	Trainees to be able to identify health and fire risks associated with such spaces: .1 Confined space entries .2 Safety precautions that should be observed When painting in tanks and cargo holds .3 Danger of explosion or Fire .4 Ventilation .5 Personal safety	3

Module	Title	Units	Objectives	Period s
8.7	Corrosion and protection	<ul style="list-style-type: none"> - Theory of corrosion - Corrosion of steel in the atmosphere - Means of minimizing corrosion - Surface preparations - Bare steel - Old paint - Treatments of surface defects, corrosion detachments etc. - Maintenance tools 	<p>Trainees should be able to identify causes of corrosion, how to prevent it and proper use of tools.</p> <ul style="list-style-type: none"> .1 Theory of corrosion .2 Corrosion of steel in the atmosphere .3 Means of minimizing corrosion .4 Surface preparations .5 Bare steel .6 Old paint .7 Treatment of surface defects, corrosion Detachment etc. .8 Maintenance tools 	6
8.8	Paints and other preservation materials	<ul style="list-style-type: none"> - Composition of paint - Types of paint - Mixing and applying paint - Methods of mixing paints - Brush and roller application - Conventional spray (Air spray) - Varnish, brasso and Vaseline, oil and grease - Handling and storage of paints - Safety precautions that should be observed - When working with De-rusting tools - Industrial hygiene - Danger of fire - First aid 	<p>Trainees must know the various types of paints and other preservation materials and their unique and correct application, risks associated and what to do should these risks are compromised.</p> <ul style="list-style-type: none"> .1 Composition of paint .2 Types of paint .3 Mixing and applying paint .4 Methods of mixing paints .5 Brush and roller application .6 Conventional spray (Air spray) .7 Varnish, brasso and Vaseline, oil and grease .8 Handling and storage of paints .9 Safety precautions that should be observed when working with De-rusting tools .10 Industrial hygiene .11 Danger of fire .12 First aid 	11

Module	Title	Units	Objectives	Period s
8.9	Construction and characteristics of ropes	<ul style="list-style-type: none"> - Natural fibre ropes - Synthetic fibre ropes - Wire rope - Square line - The lay of the wire rope - Strength of ropes and wires - Strength of wire ropes 	Trainees must know construction, properties and the various materials used so that they can identify which is most suitable to use for different purposes.	7
8.10	Working aloft and over side	<ul style="list-style-type: none"> - working aloft and over side - Stages - Boatswains (Bosons) chair - Cares and inspection of Bosons chair - Bridle arrangement - Use of Bosons chair - Care and inspection of gantlines used with Bosons chairs, safety harness lines - And stage ropes - Safety lines 	Trainees must appreciate risks associated and be able to do work aloft or at a height using correct safety procedures and equipments.	12
8.11	Preservation and protection of ropes and wires	<ul style="list-style-type: none"> - Care of ropes - Stowage - Impact of sunrays and seawater - Preservation of running and standing wires - Methods used for worming, parcelling and Serving - Wire rope grips 	Trainees must appreciate and be able to identify factors that can cause strength deteriorations of ropes and thence practice care of ropes.	3

Module	Title	Units	Objectives	Periods
8.12	Preparation of Fibre and wire ropes for use	<ul style="list-style-type: none"> - Coiling & Uncoiling ropes - Handling of ropes - Belaying ropes - How to make fast on bitts - Cleats - Examining of ropes for tightness 	Trainees must be able to demonstrate correct procedures when handling ropes. .1 Coiling & Uncoiling ropes .2 Handling of ropes .3 Belaying ropes .4 How to make fast on bitts .5 Cleats .6 Examining of ropes for tightness	5
8.13	Rope work	<ul style="list-style-type: none"> - Hitches, knots and bends 	Trainees should be able to perform the following hitches, knots and bends and know where and when to use for different tasks. .1 Hitches, knots and bends	5
8.14	Splicing of Steel wire & Fibre ropes	<ul style="list-style-type: none"> - Splicing tools - Splicing natural and synthetic fibre ropes - Splicing steel wire ropes 	Trainees should be able to identify and use splicing tools correctly and to splice fibre or steel wire ropes. .1 Splicing tools .2 splicing natural and synthetic fibre ropes .3 wire splicing	7
8.15	Canvas Sewing	<ul style="list-style-type: none"> - Splicing tools - Splicing natural and synthetic fibre ropes - Wire splicing 	Trainees should be able to identify and use splicing tools correctly and to splice fibre or steel wire ropes. .1 Splicing tools .2 splicing natural and synthetic fibre ropes .3 wire splicing	4
			Total	81

MODULE 9 PERSONAL SAFETY & SOCIAL RESPONSIBILITIES

Module	Title	Units	Objectives	Periods
9.1	Module Introduction.	-	Trainees to appreciate the importance of safety & social values on board fishing vessels.	This is a 2 day short

9.2	Complying with emergency procedures.	<ul style="list-style-type: none"> - Types of emergencies - Knowledge of shipboard contingency plans for response to emergencies 	Trainees to understand types of emergencies and actions to take.	course.
9.3	Emergency signals	<ul style="list-style-type: none"> - General emergency alarm - Abandon ship alarm - Musterlists and emergency instructions - Emergency drills - Actions to take on discovering potential emergencies, Fire, collision etc. 	Trainees to recognize emergency signals in Muster lists and use of safety equipment Know the values of drills and training.	
9.4	Take precautions to protect pollution of the Marine Environment	<ul style="list-style-type: none"> - What are Marine pollutants - Garbage management 	Trainees to recognize duties regarding pollution prevention.	
9.5	Safe working Practises	<ul style="list-style-type: none"> - General safety and individual responsibilities - Appropriate clothing - Legal responsibilities - Hazards in confined spaces - Safety guidelines 	Trainees to understand the importance of working safe.	
9.6	Good communication onboard in relation to shipboard duties.	<ul style="list-style-type: none"> - Effective communication 	Trainees to understand effective communication	

9.7	Human relationship onboard ships.	- Human relationship	Trainees to know the importance of maintaining appropriate employee relations	This is a 2 day short course.
9.8	Dangers of Drugs & Alcohol Abuse.	- Safe alcohol intake	Trainees to understand policies regarding drug and alcohol abuse	
9.9	Sexual Harassment.	- Victimization	Trainees to understand and appreciate women as equal and to know the importance of maintaining appropriate employee relations.	

MODULE 10 GENERAL KNOWLEDGE

Module	Title	Units	Objectives	Periods
10.0	Module Introduction			The length of this short course is 2 days.
10.1	Introduction to the ISPS code.	Introduction to the ISPS code.	The Trainees will be able to appreciate the importance of the code and its implications.	
10.2	Travelling Formalities.	Travelling Formalities.	Trainees will demonstrate correct travelling procedures. Trainees will understand the causes, impacts and preventive measures to such diseases.	
10.3	Non Communicable Diseases.	Non Communicable Diseases.		The length of this short course is 2 days.
10.4	HIV & AIDs	HIV & AIDs	Trainees will understand the causes, impacts and preventive measures to such diseases.	
10.5	Sexually Transmitted Infections	Sexually Transmitted Infections	Trainees will understand the causes, impacts and preventive measures to such diseases.	

Module	Title	Units	Objectives	Periods
10.6	Rights and Obligations of Fishing Vessels Crew.	Rights and Obligations of Fishing Vessels Crew.	Trainees will understand their obligations and rights from the employer and their responsibilities toward the employer.	

MODULE 11 ELEMENTARY FIRST AID

Module	Title	Units	Objectives	Periods
11.1	MODULE ONE ASSESSMENT OF EMERGENCY SCENE	<ul style="list-style-type: none"> - What is First Aid/Emergency Care - First Aid/Emergency Care Aims - Emergency Action Plan - Assessment of Emergency Scene - Movement from Danger 	At the end of this course Trainees should have the basic skills and knowledge prescribed under Ch. III/Reg.1 of the STCW F 95.	The Length of this short course is 2 weeks, weekend excluded.
11.2	MODULE TWO PRIMARY ASSESSMENT	<ul style="list-style-type: none"> - DRSABC - Levels of Consciousness - Stable side position - Anatomy/Physiology Lungs & Heart 		

Module	Title	Units	Objectives	Periods
11.3	MODELE THREE RESUSCITA TION	<ul style="list-style-type: none"> - Resuscitation “Level Two”, Chain of Survival - Adult Resuscitation - Child Resuscitation - Infant Resuscitation - Airway Obstruction, Adult, Child, Infant - Near Drowning 		
11.4	MODULE FOUR BLEEDING and SHOCK	<ul style="list-style-type: none"> - Bleeding – External/Internal - Shock & Fainting - Secondary Assessment - Applying bandages 		
11.5	MODULE FIVE (A) REVISION CPR	<ul style="list-style-type: none"> - Revisit Emergency Action & Primary Assessment - Refresh Resuscitation, Revise Adult, Child, Infant Resuscitation including conscious/unconscious choking 	<p>At the end of this course, Trainees should have the basic skills and knowledge prescribed under Ch. III/Reg.1 of the STCW F 95.</p>	<p>The Length of this short course is 2 weeks, weekend excluded.</p>

Module	Title	Units	Objectives	Periods
11.6	MODULE FIVE (B) MEDICAL CONDITIONS	<ul style="list-style-type: none"> - Angina - Heart Attack - Stroke - Diabetic Emergencies - Epileptic Seizure - Childhood Convulsions - Asthma attack 		
11.7	MODULE SIX MUSCULOSKELETAL INJURIES	<ul style="list-style-type: none"> - Fractures - Dislocations - Soft Tissues Injuries - Head Injuries - Transporting Patients - Applying bandages, splints and slings 		
11.8	MODULE SEVEN BURNS & SCALDS	<ul style="list-style-type: none"> - Burns 		
11.9	MODULE EIGHT POISONS & TEMPERATURE CONDITIONS	<ul style="list-style-type: none"> - Poisons and Heat/Cold Conditions 		
			Total :	80

Module 12 HUMAN RELATION & PERSONAL CONDUCT

Module	Title	Units	Objectives	Periods
12.1	Introduction to AAFR	<ul style="list-style-type: none"> - Alcohol & Drugs - Progression - Dependency - Co dependency - Medical Aspect - Lost of control - Out of control - Culture & Drugs - Denial - Feeling - Stress - Grief 	<p>At the end of this course Trainees should have the necessary knowledge as noted in Resolution 9 of the STCW F 95 convention</p>	<p>The length of this short course is 2 weeks excluding weekends.</p>
12.2	Family Dynamic	<ul style="list-style-type: none"> - Powerlessness - Un manageability - Anger Management - Self Esteem - Virtues - Violence - Grief 		
12.3	Family Role	<ul style="list-style-type: none"> - Family Role 		
12.4	Caretaker	<ul style="list-style-type: none"> - AA steps - Communication - Lets GO to GOD - A(actions), B(Believe), C(Consequences) 		

MODULE 13 JAPANESE LANGUAGE

	Title	Unit	Objectives	Periods
13.1	Beginner-1 Introduction	<ul style="list-style-type: none"> • Introduction, greetings and common expressions • Hiragana, katakana and kanji • Japanese custom and culture • Noun 		69

13.2	Beginner-1 Lesson 1	<ul style="list-style-type: none"> • Particle wa, mo, ka • Noun no Noun..1 • Desu • -san • Interrogative sentence • -sai 	<p><i>By the end of this level, trainees should be able to:-</i></p> <ul style="list-style-type: none"> • greet people politely • introduce themselves and friends, meet new people, • know Japanese numbers, • ask time and know date expression, identify and name basic objects, • do shopping and have conversations, including telephone conversation, HIRAGANA reading and writing 	15
13.3	Beginner-1 Lesson 2	<ul style="list-style-type: none"> • Demonstrative words • Hai soo desu, iie so dewa arimasen • Interrogative sentence..2 • Noun no Noun..2 		15
13.4	Beginner-1 Lesson 3	<ul style="list-style-type: none"> • Koko, soko, asoko, doko, kochira, sochira, achira and dochira • Doko and dochira • Noun no Noun..3 • Demonstrative pronouns, adjectives • Sentence ka..2 		15
13.5	Beginner-1 Lesson 4	<ul style="list-style-type: none"> • -masu • Inflection of –masu • -ji and –fun (-pun) • Particle ni..1 • Particles kara and made • Soo desu ka • Sentence..ne..1 		15
13.6	Beginner-2 Lesson 5	<ul style="list-style-type: none"> • Particle e • Particle de..1 • Particle to..1 • Sentence yo 		15
13.7	Beginner-2 Lesson 6	<ul style="list-style-type: none"> • Particle o..1 • Particle de..2 • Particle to..2 • Nan and Nani • V-masen ka • V-mashoo 	<p><i>By the end of this level, trainees should be able to:-</i></p>	15
13.8	Beginner-2 Lesson 7	<ul style="list-style-type: none"> • Particle de..3 • Particle ni..2 • Moo and mada • Hai and Iie 	<ul style="list-style-type: none"> ✚ identify and understand verbs for Going and Coming, ✚ know how to get on 	15

13.9	Beginner-2 Lesson 8	<ul style="list-style-type: none"> • Adjectives as modifiers • Adjectives that function as predicates • Amari~ -masen(negative) • (~wa) doo desu ka • Donna + Noun..1 • ~ga ~ • Soshite • Dore 	<ul style="list-style-type: none"> ✚ transports, ✚ explain daily action, ✚ do everyday conversation, ✚ Ask for going out, ✚ Know and understand verbs for giving and receiving ✚ Do KATAKANA reading and writing 	15
13.10	Beginner-3 Lesson 9	<ul style="list-style-type: none"> • N1 wa N2 ga A/Na desu • Donna + Noun..2 • Zenzen ~masen (negative) • Dooshite • Sentence / • Phrase kara 	<p><i>By the end of this level, trainees should be able to:-</i></p> <ul style="list-style-type: none"> ❖ Express feeling, Tell impression, Like/dislike, ❖ Ask and tell reasons and excuses, ❖ Know what to do when visiting Japanese house, ❖ Know Counters and Family tree terminologies, ❖ Describe places such as countries and own home, ❖ Know Comparison/Superlative, ❖ Express desire, ❖ Describe purpose to go, ❖ apply conversations at restaurants, ❖ read, write and interpret Simple Kanji 	15
13.11	Beginner-3 Lesson 10	<ul style="list-style-type: none"> • Arimasu, imasu • Particle ni..3 • N2 ni N1 ga arimasu, imasu • N1 wa N2 ni arimasu, imasu • ~Ni arimasu, ~ni imasu to ~desu • Particle ya 		15
13.12	Beginner-3 Lesson 11	<ul style="list-style-type: none"> • Counting numbers • Interrogative quantifiers • Noun..etc..dake • Donokurai or donogurai 		15
13.13	Beginner-3 Lesson 12	<ul style="list-style-type: none"> • Tense/affirmative/negative of desu • Tense/affirmative/Negative of I-adjective • Comparison 		15
13.14	Beginner-3 Lesson 13	<ul style="list-style-type: none"> • (Watashi wa) N ga hoshii desu • (Watashi wa) N o V-tai desu • Masu-form + ni Ikimasu, kimasu, kaerimasu • Particle ni..4 		15

		Particle to..2		
13.15	Beginner-4 Lesson 14	<ul style="list-style-type: none"> • Groups of verbs • How to construct the te-form • Following phrases and the te-form • Use of the te-form..1A • Use of the te-form..2A • V-mashoo ka 	<p><i>By the end of this level, trainees should be able to:-</i></p> <ul style="list-style-type: none"> ➤ Request and offer things politely, ➤ Clarify Action in progress (~ing), ➤ Ask Permission/express prohibition in public place, ➤ Discuss Japanese custom, Sightseeing, ➤ speak more natural daily conversation, ➤ Describe people/things, ➤ Explain sickness/ know hospital conversation, ➤ Do Simple Kanji Reading & writing 	15
13.16	Beginner-4 Lesson 15	<ul style="list-style-type: none"> • Use of the te-form..3 • Use of the te-form..2B • Shirimasen (negative of shitte imasu) 		15
13.17	Beginner-4 Lesson 16	<ul style="list-style-type: none"> • Joining sentences • Use of the te-form..5 		15
13.18	Beginner-4 Lesson 17	<ul style="list-style-type: none"> • Nai-form • Use of the nai-form..1 • Use of the Nai-form..2 • Use of the Nai-form..3 • Particles made ni 		15
13.19	Beginner-5 Lesson 18	<ul style="list-style-type: none"> • How to construct the Dictionary form • How to use the dictionary form • Meanings of dekimasu • Use of the dictionary form..2 • Use of the dictionary form..3 		15
13.20	Beginner-5 Lesson 19	<ul style="list-style-type: none"> • How to construct the ta-form • Use of the ta-form..1 • Use of the ta-form..2 • ~narimasu • Use of the te-form..1B 	<p><i>By the end of this level, trainees should be able to:-</i></p>	15

13.21	Beginner-5 Lesson 20	<ul style="list-style-type: none"> • Polite style of speech and plain style of speech 	<ul style="list-style-type: none"> ▪ Express ability/hobby, ▪ Talk about experiences, ▪ Talk about weekend activities. ▪ Talk about dream, ▪ Make casual conversation with friends, ▪ Express ideas/information/opinion, express what they are thinking about ▪ do some Kanji Reading & writing 	15
13.21	Beginner-5 Lesson 20	<ul style="list-style-type: none"> • Polite and plain forms • Questions in the plain style • Plain forms of Hai and Iie • Male language and female language 		
13.22	Beginner-5 Lesson 21	<ul style="list-style-type: none"> • Particle to..3 • ~to omoimasu • ~to omoimasu and ~to iimashita • Omission of the particle to • Deshoo 		15
13.23	Pre Intermediate Lesson 22	<ul style="list-style-type: none"> • Relative Clause • Particle ga which indicates the subject of a modifying clause • Examples of modifying clauses 	<p><i>By the end of this level, trainees should be able to:-</i></p> <ul style="list-style-type: none"> ○ Do Noun modification(describing details), ○ Talk about past experiences, ○ Know about Direction, ○ Explain how to use tools, ○ Express gratitude and to ask politely, ○ Understand Conditional form, ○ Identify and understand imperative and Prohibitive form, ○ Kanji Reading and writing, 	15
13.24	Pre Intermediate Lesson 23	<ul style="list-style-type: none"> • ~toki,~ • ~to,~ • Particle o..2 		13
13.25	Pre Intermediate Lesson 24	<ul style="list-style-type: none"> • Verbs for giving and receiving • Conferment expressions 		13
13.26	Pre Intermediate Lesson 25	<ul style="list-style-type: none"> • Conditional expressions • Expressions for reverse supposition • Moshi and ikura • Sentence..ne..2 		15
13.27	Intermediate Lesson 33	<ul style="list-style-type: none"> • How to make the imperative form • How to make the prohibitive form • Usage of the imperative and prohibitive forms • ~te kure • X wa Y to iu imi desu 		

		<ul style="list-style-type: none">• Dooiu ~ and donna ~• ~te kure plain form + to itte imashita• Kanarazu, kitto and zehi		15
			TOTAL	454