

## Competent Crew Sail

### Competent Crew Sail Shore Based Course.

	Page
ISPA	I
List of workbooks Sail and Power	II
Complete list of courses	III-IV
Contents	V-VIII
<b>MODULE 1 Seamanship Sail</b>	
Personal Clothing	1
Heavy Weather Outer Layer, Standard Equipment for Cruising	2
<b>MODULE 1 (a) Seamanship Sail</b>	
Parts of a sailboat	3-4
Cockpit Canvas	5
Standing rigging	6
Running rigging	7
Cleats	7
Blocks	7-9
Simple halyard system	10
Shackles used for halyards	11
<b>MODULE 1 (a) ASSESSMENT</b>	12
<b>MODULE 1 (b) Seamanship Sail</b>	
Winches, Winch techniques	14-18
<b>MODULE 1 (b) ASSESSMENT</b>	19
<b>MODULE 1 (c) Seamanship Sail</b>	
Mainsail, battens	20-21
Mainsail controls; boomvang, outhaul, traveler, downhaul, Cunningham	22-25
Mainsail sheet systems	26-28
Topping lift	28
<b>MODULE 1 (c) ASSESSMENT</b>	29
<b>MODULE 1 (d) Seamanship Sail</b>	
Standard mainsail systems	32-35
Bending on	36-37
Raising	38
Halyard tension	39
Lowering	40
Storing	41
Mainsail reefing systems	42
Reefing and shaking the reef	43-45
<b>MODULE 1 (d) ASSESSMENT</b>	46
<b>MODULE 1 (e) Seamanship Sail</b>	
Three types of In-Mast Roller Furling Mainsail Systems	48
Preparing and raising	49-50
Rolling in	51
Reefing	52
In-boom roller furling systems	53
Preparing, raising, lowering, reefing	53-54
<b>MODULE 1 (e) ASSESSMENT</b>	55
<b>MODULE 1 (f) Seamanship Sail</b>	
Foresails, Headsails terminology	56
Jib halyard tension	56
Foresail/headsail sheet system	57
Foresail Fairlead track and cars	57
Positioning the fairlead car	58

## Competent Crew Sail

Jib, Genoa sizes	59
Self-tacking foresail/headsail system	59
Staysail boom	60
Foresail/headsail Cunningham	60
Two types of foresail systems	
<b>Hanked on Foresail/headsail</b>	61
Bending on	61
Storing	62
Raising	63
Lowering	64
Flaking and bagging	65
Changing headsails	65
Reefing	66
<b>Roller furling headsail</b>	67
Bending on	67-68
Storing	68
Control system and Operation	69
Raising, rolling in, and reefing	70
<b>MODULE 1 (f) ASSESSMENT</b>	71
<b>MODULE 1 (g) Seamanship Sail</b>	
<b>Terminology</b>	
Ahead, Astern, Bow, Stern Forward, Aft, Beam, Abeam, Aft.	74
Port, Starboard, Windward, Leeward	74
Heading up, Bearing off, Underway, No way, Leeway,	75
Starboard Tack, Port Tack, Flogging, Luffing	75
How a sailboat sails	76-78
<b>MODULE 1 (g) ASSESSMENT</b>	79
<b>MODULE 1 (h) Seamanship Sail</b>	
Windex and wind indicator aid	82
Points of sail	82
Channels and zones	83
Basic sail trim	84
Head to wind, no sail zone	85
Close hauled	86
Reaching, Close Reach	87
Beam Reach	88
Broad Reach	89
Downwind	90
Sailing by the Lee	91
Accidental Gybe	92
<b>MODULE 1 (h) ASSESSMENT</b>	93
<b>MODULE 1 (i) Seamanship Sail</b>	
<b>Safety</b> General points	
Safe and dangerous areas	94
Jackstays/Jacklines	95
Safety harness, tethers and hooks	95
When to wear a harness	96
Using a harness properly	96
Pulpits and lifelines	97
<b>Handling the sailboat under sail</b>	
Head to wind, in irons	98
Tacking	98
Coming about, Chicken Gybe	98-99
Beating, Gybing	100
Heaving to	101-102
Man Overboard (MOB) under sail	103
MOB Method 1 Close hauled to beam reach	104-105

## Competent Crew Sail

MOB Method 2 Broad reach and downwind	106
<b>MODULE 1 (i) ASSESSMENT</b>	<b>107</b>
<b>MODULE 2 (a) General Seamanship</b>	
Safety and risk management	108
Lifejackets, PFDs	109-110
Surviving a fall overboard into cold water	111
Hypothermia	112-113
Staying in good shape onboard	114
Action of crew for Man Overboard	115
Williamson turn MOB procedure under power	116
Anderson turn MOB procedure under power	117
Retrieving the MOB	118
<b>MODULE 2 (a) ASSESSMENT</b>	<b>119</b>
<b>MODULE 2 (b) General Seamanship</b>	
Minimum Safety equipment	120
Preparation and throwing a heaving line	121
Boarding ladder	121
Anchor	122
Bilge pumps	122-124
Radar reflector	124
Fire extinguishers and classes of fires, fire axe	125-126
Flares	127
Distress Signals	128
Setting a flare	128
Basic distress signal equipment	129
Emergency Position Indicating Radio Beacons (EPIRB)	129
Navigation Lights on vessels up to 50 meters / 164 feet	130-131
<b>MODULE 2 (b) ASSESSMENT</b>	<b>132</b>
<b>MODULE 2 (c) General Seamanship</b>	
<b>Vessel recognition Sail</b>	<b>133</b>
Power	134
Dinghies	135
Care of, towing the dinghy	136
Dinghy towing system	137
Docking or coming alongside with the dinghy	137
Dinghy etiquette	138
Carbon monoxide poisoning	138
The Fuel system (outboard engines)	139
Starting, stopping procedures, hazards to avoid	140-141
Motor angle adjustment	142
Operation on the water, Capacity Plate, Loading	142-143
Beach landing a power driven dinghy	144
Action to take if your small craft is capsized	144
Low head dams	145
Inboard Diesel checks, start, stop	146
Inboard Gas engines check, start, stop	147
Safe refueling procedures, portable tanks and fitted tanks	148
<b>MODULE 2 (c) ASSESSMENT</b>	<b>149</b>
<b>MODULE 2 (d) General Seamanship</b>	
Living aboard	151
Potable water	151
Using the propane stove and system	152
Battery use	153
Shore power hook up	154
The marine head and operation	155-156
Pollution control	156

## Competent Crew Sail

<b>MODULE 2 (d) ASSESSMENT</b>	157
<b>MODULE 2 (e) General Seamanship</b>	
Steering a vessel under power, Prop walk	158-159
Basic Collision Regulations	160
Steering rules	161-162
Diving flags	162
Accident Reporting	163
The Legal Requirements and Obligations	163
<b>MODULE 2 (e) ASSESSMENT</b>	164
<b>MODULE 2 (f) General Seamanship</b>	
<b>Knots</b> Basic terms	165
Reef knot	166
Clove hitch	167-168
Rolling hitch	169
Round turn and two half hitches	170
Bowline, Figure 8	171-174
Double overhand	175
Cow hitch	176
Double sheet bend	177
Flaking a line	178-179
Storing a flaked halyard	180
Storing a line which forms part of the running rigging	180-181
Swigging, Sweating or Bucking halyards and dock lines	182-183
Securing a dock line to a cleat	184
<b>MODULE 2 (f) ASSESSMENT</b>	185
<b>MODULE 2 (g Docking And anchoring (crew responsibilities)</b>	186-193
<b>MODULE 2 (g) ASSESSMENT</b>	194
<b>MODULE 3 (a) Emergency Procedures</b>	
International distress signals, responding to breakdowns	195
Using the VHF or DSC radio, Mayday calls	196
Crew or vessel in immediate danger, steering fails	197
Lee shore under power and sail	198
Shroud breaks under load	199
Prevention of explosion	200
Types of fire on board, prevention, plan of action, use of fire extinguishers	201
Carbon monoxide poisoning	202
Water in the cabin	203
Stuffing boxes	204-205
Through hull fittings	206
Running aground on a soft bottom	207
Run aground hull damaged	208
Line around the prop	209
Vessel dragging anchor	209
Vessel touches bottom at anchor	210
Vessels beaches on its side	210
Liferafts, Emergency grab bag contents	210
Abandoning ship into a life raft	211
The Legal Requirements for Rendering Assistance	212
Towing	213
<b>MODULE 3 (a) ASSESSMENT</b>	214
	215