

## **ASA 104: Bareboat Charter Certification Curriculum**

*This course will teach you to bareboat charter up to a 40' sailboat for a multi-day cruise. Review all aspects of the previous two levels of instruction, Basic Keelboat Sailing and Basic Coastal Cruising.*

***Pre-study is vital to the success of your course.*** *There will be two tests for this course, one performance and one written. Upon successful completion of this course, you will receive a San Juan Sailing Bareboat Chartering certificate. An American Sailing Association certification is available as an option to our students for \$20. Please make arrangements prior to attending your class.*

*The textbooks used for your course are "Sailing Fundamentals" by Gary Jobson and "Cruising Fundamentals" by Harry Munns. Both approved by the American Sailing Association. The Annapolis Book of Seamanship is an excellent book for your sailing library and can help you in your studying for this course.*

*Listed below are standards that are set by the American Sailing Association that you will master upon successful completion of the course.*

### **Sailing Knowledge**

#### Planning

*State and discuss the following:*

- ◆ The fuel tank capacity and powering range of the candidate's boat
- ◆ Factors which affect the range under power
- ◆ The boat's water capacity and crew's minimum daily water requirements
- ◆ The causes, prevention and treatments for seasickness
- ◆ The appropriate clothing for sailing (comfort and safety)
- ◆ Menu planning and provisioning and suitability to the day's activities
- ◆ The minimum contents of a first aid kit for a one-week cruise
- ◆ The spare engine parts of a one-week cruise
- ◆ The documents and procedures required to cross international borders and how to determine the above for any cruising location

#### Living Afloat

- ◆ Discuss galley procedures that minimize the danger of fire, scalding or other galley accidents
- ◆ Use common cooking systems (stoves and fuel)

## Weather

- ◆ Describe the sea breeze and land breeze effect
- ◆ Identify conditions which cause fog

## Seamanship

- ◆ Describe the use of a radar reflector
- ◆ Describe and discuss what to do when (under power):
  - The engine cooling water fails to flow
  - The engine fails in a crowded anchorage where safe sailing is impossible
  - The engine fails in a busy channel
- ◆ *Describe two methods of getting a man overboard back on board*
- ◆ *Describe the information required and the procedure for tying a boat to a fixed dock in areas with a large tidal range*
- ◆ *State the factors to be considered before allowing anyone to go swimming while at anchor, dock or shore*
  
- ◆ Describe the use of an anchor to hold a boat off a windward dock when abreast of that dock
- ◆ Describe methods of rafting at anchor and potential dangers
- ◆ Describe the actions taken to prevent the dinghy from bumping the boat in the night
- ◆ Describe the proper operating procedures for the marine head and list precautions that prevent malfunctions
- ◆ Describe the following common courtesies and customs for yachtsman:
  - Permission to board
  - Permission to come alongside
  - Courtesy in crossing adjacent boats when rafted
  - Rights of first boat at an anchorage
  - Keeping clear of boats racing
  - Flag etiquette: national flag, courtesy flag, burgee/house flag
  - Offering assistance to other yachtsmen in trouble

## **Sailing Skills**

- ◆ Perform routine daily and weekly maintenance procedures on an engine
- ◆ Locate and check condition of all USCG required equipment aboard
- ◆ Maneuver the boat under power in a confined space
- ◆ Stop the bow of the boat within four feet of a fixed marker in various conditions while under power (pick up a mooring buoy)
- ◆ Dock stern or bow to dock or shore using bow or stern anchor
- ◆ Apply 72 COLREGS (Navigation Rules), rule 1-19
- ◆ Demonstrate basic use of the VHF
- ◆ Check that all systems and equipment on the boat are in working order: engine, electrical system, stove, electronics, sails, hull, deck hardware, ground

- tackle, and through-hulls and demonstrate knowledge of safety relating to them
- ◆ Demonstrate the proper operation of a marine stove and the proper way to extinguish a fire
  - ◆ Demonstrate suitable methods and precautions while towing a dinghy
  - ◆ Sail a compass course with sails set properly while reaching and running
  - ◆ Demonstrate two different ways to returning to a man overboard in moderate winds
  - ◆ Plot a course and determine compass heading a E.T.A.
  - ◆ Read a nautical chart and identify corresponding landmarks and aids to navigation
  - ◆ Take a fix using visual bearings
  - ◆ Determine the depth above or below chart datum using tide tables
  - ◆ Plot a boat into an unfamiliar harbor or anchorage by day using a nautical chart and tidal information
  - ◆ Obtain and interpret the marine forecast
  - ◆ Set and retrieve two anchors set in a Bahamian mooring (fore and aft)

### ***Knots***

- ◆ Tie a rolling hitch and a trucker's hitch