

Tradewinds Sailing School and Club
Bareboat Charter (ASA104) – Standard and Agenda

Included in this handout are the daily agendas, and basic ASA standards for Bareboat Cruising.

Prerequisites for the Class

- Basic Keelboat - ASA 101
- Basic Coastal Cruising - ASA 103
- Completion of the Basic Coastal Cruising practice exercises

Schedule & Crew

This is a three-day course. Day one is 9am to 5pm. Class will begin on day two at 9am and continue until 5pm on day three with an overnight at anchor at a location on the bay chosen by the instructor. There will be a minimum of two and a maximum of three students and one instructor aboard.

Description

Learn additional requirements for coastal cruising of auxiliary sailing yachts during daylight hours and earn Bareboat Chartering Certification. Subjects include cruise planning, living aboard, basic weather forecasting, Rules of the Road, boating etiquette, safety equipment, chart reading and use, extensive practice of on board skills, and much more.

Students successfully completing this course can receive ASA 104 certification and will have the skills necessary to independently cruise boats in our Silver Fleet on San Francisco Bay. You will live aboard during the course.

What Boats Are Used

In this class, you will instruct students using two Silver and/or Gold Fleet boats.

ASA Standard

Demonstrated ability to skipper a sloop-rigged, auxiliary powered keelboat (or catamaran, if course is conducted on such) of approximately 30 to 45 feet in length during a multi-day cruise upon inland or coastal waters in moderate to heavy winds (up to 30 knots) and sea conditions. Course is conducted as a live-aboard cruise of at least 48 hours. Knowledge of provisioning, galley operations, boat systems, auxiliary engine operation, routine maintenance procedures, advanced sail trim, coastal navigation including basic chart plotting and GPS operation, multiple anchors, mooring, docking, health & safety, emergency operations, weather interpretation, and dinghy/tender operation.

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Day One Agenda

Introductions

Boat Systems & Boat Familiarization

Boat Handling

- Discussion of Forces Influencing Boat Handling (Wind, Current, Prop Walk, Prop Wash, Momentum, Inertia)
- L.O.T.
- Slip Departure & Return
- Forward/Reverse Handling
- Fairway turns
- Under Power Crew Overboard

Docking & Motoring

- Windward side docking
- Departures using “aft facing bow spring” and “forward facing stern spring”
- Leeward side docking using midships spring “stopping” line
- Backing into side tie (pump out station)

Lunch

Anchoring

- Bow & Stern (discussion of Bahamian Moor)
- Two off the bow (Forked)
- Mediterranean Moor (if time allows)
- Discuss provisioning needs for overnight

Navigation Aids

- Local Notice to Mariners
- Light List
- Coast Pilot

Charts & Plotting

- Finding Latitude and Longitude on a Chart
- Plotting and labeling a course
- Distance/Speed/Time calculations (D St wheel)
- TVMDC +W
- Keeping a navigator’s log
- Plotting & Maintaining a DR
- Obtaining a fix
- Plot a course to either Clipper Cove or Pier 1½ as tides for day 2 allow
- Provide only destination lat/long, desired time of arrival and estimated speed. Students complete plot and calculate departure time

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Day Two Agenda

Meet on Boat

Boat Systems & Boat Familiarization

Provision and Stow for overnight

Verify water tanks are full

Tides & Currents

- Advanced use of a tide book
- Determine sunset and sunrise times
- Tidal Differences
- Current Differences
- Use of Tidal Current Charts to estimate current in different locations mid tidal range
- Tidal “Rule of Twelfths” to estimate tidal depths mid tidal range

Depths and Depth sounders

- Sound the depth at the slip using a sounding line and compare to electronic depth sounder on boat

Boat Handling

L.O.T.

- Slip Departure & Return
- Forward/Reverse Handling
- Fairway turn

VHF Radio usage and Vessel Traffic Services monitoring

Departure from Marina Bay – Sail itinerary to be chosen by instructor. It is recommended to do a “tour” of several locations on the bay. Maintain a DR obtaining fixes and continuing DR

Lunch underway

Heavy Weather Sailing (conduct in "the slot")

- Reefing
- Heaving To
- Broad Reach to Close Reach COB
- Goal is to reach The Golden Gate Bridge under sail

Anchor set 17:00 to 1800

Dinner

Test Review

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Day Three Agenda

Breakfast

Wind & Current docking at Ayala Cove if able

Lunch (While underway)

Heavy Weather Sailing

- Reefing
- Heaving To
- Quick Stop COB

Return Sail to Tradewinds with arrival between 1500 & 1600

Pump out holding tank

Clean up boat

Test

- The test may be taken at any convenient time during day 2 or 3. For example at anchor after dinner or after breakfast.