



**LIBERTY FLOTILLA – SUNY MARITIME COLLEGE  
FORT SCHUYLER TRAINING DAY  
Saturday, March 8, 2008**

**INSTRUCTIONAL SESSIONS**

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**Communications and VHF Radio Etiquette**

(Instructor: Brad Mayer and Bob Sodano, US Coast Guard Auxiliary)

Using radio telephones aboard small craft is important for safety of life and property. Conversations should be terse, effective and to the point. A number of “prowords” are used as well as phonetic alphabets and emergency key messages. Practice the best way to send a message and how to get help when needed.

**Team Coordination      *\*\*NEW\*\****

(Instructor: Brad Mayer and Bob Sodano, US Coast Guard Auxiliary)

Team Coordination is the use of five basic skills to reduce or eliminate risk of injury and damage. They include Leadership, Communication, Risk Assessment, Situational Awareness, and Mission Analysis. With an understanding of these five principles and how they work together we create the basis of Team Coordination and its success in reducing injury and damage when underway or preparing for an outing.

**Navigational Rules – Rules of the Road**

(Instructor: Conner Rieve, Ship 110 CT, SEAL '06 Grad)

When driving a car, we must know traffic laws and rules of the road. When piloting a ship, we must know maritime laws and rules of the nautical road. The US Coast Guard publishes these “nav rules”. Courtesy and common sense dictate that small boats stay clear of larger vessels. However, if there is any risk of collision, there are navigation rules that clearly apply. Strict observance of all rules by all vessels can ensure the minimum danger. We will cover many of the key nav rules; resources will be provided for future reference.

**Basic Nautical Charts and ATONs      *\*\*NEW\*\****

(Instructor: Vince Claps, Ship 228 NJ)

Course will cover all basic chart symbols, compass rose, latitude and longitude, loran symbols, direction, distance, buoys and beacons.

**Basic Coastal Navigation      *\*\*NEW\*\****

(Instructor: Gilles Gennevieve, Ship 132 NJ)

Course will cover dead reckoning (“DR”), DR arithmetic examples, time math, DR symbols, and plotting DR on a chart. Students should bring to class parallel rulers, divider compass, pencil, eraser and pocket calculator. Basic math is required. Students are encouraged to take Nautical Charts before attending this course. Session requires 2 consecutive periods.

**Sextant Skills**

(Instructor: Ragnar Buchner, Ship 228 NJ)

Class starts with a quick review of basics and an introduction to trigonometry (the mathematics of angles and distances). Worksheets and the graphs will be provided to prove the locations of 4 local lighthouses. Find out why Sailors wear an Eyepatch? You will have hands-on use of sextants and telescopes, to sight lighthouses and buoys on the water in East Chester Bay. Students are encouraged to bring their own basic compass for orienteering to the charts provided and if available bring own chart plotting tools. No calculator is required. Sextants will be provided for use during the training; 2-3 scouts per workgroup. Portions of class will be held outdoors; dress accordingly.

## Marine Engines

(Instructor: Joe Terra, Ship 460 NY and Skipper Bill Garrett, Ship 6 NJ)

About 85% of all small boats in common use are powered by outboard motors. Taking care of your boat includes the motor. It is important to know the general operation of different types of marine motors, boat handling and maneuvering under power, routine maintenance and overall safety. And once underway, you find yourself with a problem. We will also cover some basic troubleshooting skills to get your engine working again or help you diagnose the problem so you can alert a mechanic or towboat for help.

## Marlinespike Seamanship

(Instructor: Ray Drollinger III, Ship 441 NY, SEAL'06 Grad)

Rope is the oldest and most useful tool, and on boats, rope is used for mooring, anchoring, towing, rigging and utility service. Aboard a vessel, rope is referred to as line unless it has a specific name such as halyard, sheet, hawser, etc. Marlinespike seamanship covers many aspects including the care of rope, knots, splicing, and whipping. Maximum class size: 10.

## Ornamental Brightwork **\*\*NEW\*\***

(Instructor: Arthur Brown Jr. and Bryce Postlewaite, Ship 6 NJ)

Rope is more than a tool; it's also a rescue from boredom for a sailor. Ornamental brightwork is the term for the rope work you see around a vessel on railings, ship's wheels, and masts. Come today and learn how to make a monkey's fist and a Turk's head bracelet. Both serve a practical use as well as have artistic value to a mariner. Maximum class size: 10.

## Basic Sailboat Skills

(Instructor: Skipper Brian Beck and Richard Beck, Ship 132 NJ)

Course will cover: Physics of Sail; Fluid Dynamics; Mechanics and Controls; Boat Nomenclatures and Functions; Tacks and Sail Settings; Forces Acting on a Sailboat; Safety; Q&A Period. There will be a hands-on portion with sail rigging and setting demonstration with a full-sized sailboat on trailer. Portions of class will be held outdoors; dress accordingly.

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## For Adult Sea Scouters:

### SSOLT - Sea Scout Officer Leadership Training **\*\*REVISED\*\***

(Instructor: Jonathan Glassman, Ship 1 CT and Skipper Art Sheridan, Ship 51 NY)

This course has been revised for 2008 and all leaders are encouraged to take it (unless you have attended Seabadge in the last two years.) This course will review the purpose of Sea Scouting as well as programs, resources, activities, advancement and recognition unique to Sea Scouting. Completion of this training is a pre-requisite for Seabadge. Class will run for four consecutive periods; with a break for lunch.

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### NOTE FOR STUDENTS:

Instructional Classes are scheduled for periods of 55 minutes in length each. Transition between sessions slated up to 5 minutes.

See Training Grid for classroom assignment and time schedules.

**REV: February 11, 2008**