

# COURSES

- **America's Boating Course (ABC)** covers the basics of safe recreational boating. Open to the public.
- **Seamanship (S)** builds and expands on the basics, providing a foundation for continuing boating education.
- **Piloting (P)** the first navigational class for inland and coastal waters, emphasizing planning and checking along with the use of GPS for determining position. It introduces digital charting along with traditional charting, compass and dead reckoning skills.
- **Advanced Piloting (AP)** builds on the previous course, adding radar, tide, current, wind and their effects on piloting.
- **Junior Navigation (JN)** the first part of a study of offshore navigation, including basic concepts of celestial navigation, how to use the mariner's sextant to take sights of the sun, accurate time determination and the use of special charts and plotting sheets for offshore positioning and passage planning.
- **Navigation (N)** the second part of a study of offshore navigation, including sight reduction techniques for the moon, planets and stars. Of particular interest and importance is the study of electronic offshore navigation planning and execution using PC-based software.

## ELECTIVE COURSES

- **Cruise Planning** designed for those who plan to cruise for just a day or for a year – in either a sail or power boat. It includes: preparation, equipment, anchoring, security, chartering, crew, provisioning, communications, navigation, weather and emergencies.
- **Engine Maintenance** stresses the diagnosis of modern systems, while also teaching the basics of engine layout and operation. It includes gasoline inboards, outboards and diesel engines.
- **Instructor Development** deals with effective communication for speakers and teachers. Needed in order to teach the public boating course.

- **Marine Electrical Systems** includes boat electrical wiring practices and diagrams, direct and alternating current power, galvanic and stray current corrosion and lightning protection.
- **Marine Electronics** includes boat electrical systems, marine communications and marine electronics for navigation.
- **Sail** a complete sail course beginning with basic boat designs, rigging and sail processes for the non-sailor. The course proceeds into the physical aspects of sailing, sail applications, marlinspike, helmsmanship and handling of more difficult sailing conditions, navigation rules and an introduction to heavy weather sailing.
- **Weather** includes: atmosphere, temperature and heat; wind, pressure and waves; water, humidity and fog; stability, clouds and precipitation; tornadoes, thunderstorms and lightning; mid-latitude weather and storms; tropical weather and storms and forecasting

## • TWO HOUR SEMINARS

- **Advanced Power Boat Handling** includes: close quarters maneuvering; how boats behave and seas and handling at sea.
- **Anchoring** includes: selection of anchor, rode and components; anchor selection for sea conditions and bottom conditions and deployment and recovery of anchors.
- **Basic Coastal Navigation** practical techniques to plan, navigate and check progress on the water.
- **Boat Handling Under Power** how to depart and dock under a variety of conditions and trimming the boat underway.
- **How to Use a Chart** understanding charts and the essentials of laying out a safe course.
- **Hurricanes and Boats** how to select a location and prepare your boat for a hurricane.
- **Knots, Bends and Hitches** a hands-on “learn how to tie knots” program.

- **Mariner's Compass** how to select, install, calibrate and use your compass on board your boat.
- **Marine Radar** how radar functions, radar selection, operation of the radar under various conditions, setting of controls, display interpretation and collision avoidance.
- **Onboard Weather Forecasting** how to use your own senses to determine what conditions you will encounter where you are, understanding clouds, wind, temperature and their changes.
- **Paddle Smart** for those intending to join the sports of kayaking and canoeing.
- **Partner in Command** an introduction to boating for crew members who need basic information, including essential information on how to assist a skipper in an emergency.
- **Sail Trim** how to use and adjust sails for optimum performance under a wide range of conditions.
- **Trailing** how to safely and securely trailer your boat, launch and retrieve it and how to operate and maintain your trailering equipment.
- **Using GPS** explains the principles of waypoint navigation, how to relate it to your charts and how to access the functions you need.
- **Using VHF & VHF/DSC Marine Radio** explains basic VHF operation. A CD is included with a DSC Simulator that allows you to practice on your computer at home.