

About Boating Safely

One-day course

- Introduction to Boating Types of power boats: sailboats; outboards; paddle boats; houseboats; different uses of boats; boat engines; jet drives; family boating basics.
- Boating Law Boat registration; regulations; hull identification number; reporting accidents; protecting the environment; Federal and state boating laws; personal watercraft.
- Boat Safety Equipment Life jackets, fire extinguishers, sound-producing devices; visual distress signals; dock lines and rope; first aid kit; anchors and lines.
- Safe Boating Bow riding; alcohol and drug abuse; entering; loading, fueling, steering; docking, undocking and mooring; filing a float plan; weather and tides; using charts; and using an anchor; safe PWC handling.
- Navigation The U.S. Aids to Navigation system; types of buoys and beacons; navigation rules (sometimes referred to as right-of-way rules); avoiding collisions; sound signals.
- Boating Problems Hypothermia; accidents, rescues; man overboard recovery; capsizing; running aground; hazards; emergency radio calls; equipment failures; carbon monoxide (CO).

Weekend Navigator

8-class course

- The Marine Magnetic Compass Basics operation of the magnetic compass; concept of deviation and distinction
- The Nautical Chart Characteristics of nautical charts (Mercator, polyconic projections); plotting positions in latitude and longitude
- The Navigator's Tools & Instruments Tools used in everyday practice; familiarity with the use of plotting and other instruments; and equipment used in the practice of navigation.
- Dead Reckoning Dead reckoning methods including plotting, labeling, measuring, and determining DR positions; speed, time, distance formulas and problem solving.
- Piloting Line of Position (LOP) concepts; bearing use in LOPs; running a fix by advancing or retiring an LOP; danger bearings; estimated positions when the data are lacking for a FIX.
- Current Sailing Understanding current and vessel motion; determination of actual set and drift given course steered, FIX; determination of course and speed to maintain specified course.
- Tides & Tidal Currents Tidal phenomena, causes, typical variations; why tides are important; use of Tide Tables; use of Tide Tables to estimate the strength and direction of the current.
- Radar Basics of RDF, Loran, Radar, and GPS, their respective advantages, disadvantages, limitations
- Navigation Reference Publications U.S. Coast Pilot, Light List and Notices to Mariners; computation of visibility of lights; importance of up-to-date charts and other publications.
- Fuel & Voyage Planning Basics of fuel: plan efficiency, reserves, endurance and range. Fuel consumption affects of hull design/condition, engine horsepower, throttle settings,



Be Aware – We Care



"How was I supposed to know..."

PaddleSports America

4-hour course

- Know Your Paddlecraft Understanding paddlecraft characteristics and parts, such as basic types, hull shapes, sizes and weights, selecting paddles, Before You Get Underway Capacities, float plan, pre departure check; loading gear in a canoe or kayak; paddle craft, responsibilities, how to file a float plan
- Operating Your Boat Safely Sharing the waterways with others; U. S. Aids to Navigation System, local hazards
- Legal Requirements of Boating State and Federal Laws and regulations, safety equipment, what to do if you have an accident, unlawful operation, Homeland Security restrictions
- 6 c U h] b [' Y a Y f [Y b - W i n g i n g A t k e v i s k B a s i c S a i l B o a t M a n e u v e r s F a r k i n g ; j i b b i n g ; s a i l i n g a c o u r s e ; s t a b i l i t y a n d a n g l e o f h e e l ; k n o w i n g y o u r b o a t .
- immersion and hypothermia, weather situations.

Sailing Skills & Seamanship

10-class course

- The format of this course closely follows Sailing Skills and Seamanship but is geared toward those with sailboats, including:
 - Reading the wind; points of sailing, running, close hauls, reaching, sail shape; sail adjustments; when the wind picks up.
 - Basic Sailboat Maneuvers Tacking; jibbing; sailing a course; stability and angle of heel; knowing your boat.
 - Rigging And Boat Handling Stepping the mast; making sail; hoisting sails; leaving port; mooring; controlling sails; anchoring.



Boating Education by U.S. Coast Guard Auxiliary

Cary Flotilla



call or email for courses/dates/information

919-781-5917

Mail: cgaux911pe@bellsouth.net

Web site: CoastGuardAux.com/f9_11

GPS For Mariners

2-class course

- GPS for Mariners is a modern learning experience that focuses on the GPS equipment typically owned by the recreational boater. The course involves inviting course participants who already own hand-held GPS units to bring them to the class, increasing interactivity of the educational experience and getting students more involved.

Suddenly In Command

3-hour course

- Designed to prepare another to handle a boating emergency in the event of a boating emergency. Medical, storms, mechanical failures, and other emergencies.
- Preparation for taking command of a boat.
- Steps and taking command of a boat.
- Importance of taking command of a boat to save lives and property.

Boating Skills and Seamanship



This is the premier Coast Guard Course designed for power boaters

8-CLASS COURSE INCLUDES:

< **Which Boat Is For You?** - Boater's language; types of boats; outboard motors and sterndrives; hull design; uses of boats; other power plants; materials for constructing boats; your intended use; marine surveyors; buying a boat.



< **Equipment For Your Boat** - Requirements for your boat; your boat's equipment; legal considerations; substance abuse; boating accident reports; Vessel Safety Checks.



< **Trailing Your Boat** - Legal considerations; practical considerations; the towing vehicle; balancing the load; handling your trailer; pre-departure checks; launching; retrieving; storing your boat and trailer; theft prevention; Zebra mussels; float plan.



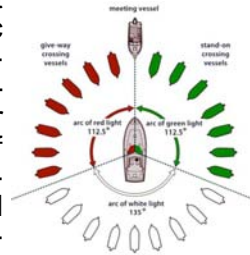
< **Handling Your Boat** - Fueling your boat; your boat's propeller; twin screws; jet drives; loading your boat; getting started; leaving a pier; "man" overboard; docking; mooring to a permanent anchor; anchoring; towing a skier.



< **Your "Highway" Signs** - What are ATONs?; buoyage systems; waterway marks; how waterways are marked; chart symbols; light structures; lights on bridges; electronic aids to navigation; navigation publications.



< **The Rules You Must Follow** - To whom do the rules apply; what is a vessel; the general responsibility rule; conduct in narrow channels; traffic separation schemes; vessel traffic services; stand-on or give-way; rules for special vessels; risk of collision; restricted visibility; vessel lights and shapes; vessels at anchor; diving operations; distress signals; drawbridge signals.



< **Inland Boating** - Inland navigation; inland seamanship; river currents; maintaining inland waterways; dams; locks; river charts; commercial traffic; before you go.



< **Boating Safety** - Accident prevention, hypothermia, sailboats and rights of way, carbon monoxide, operator responsibility, safety considerations, state and federal boating requirements.



< **Introduction To Navigation** - Piloting tools; maps and charts; chart features; your chart's general information block; other charted information; your magnetic compass; position on the earth's surface; locating a point on a chart; measuring distance; course plotting; sources of compass error; correcting a compass reading; positioning; speed-time-distance; dead reckoning.

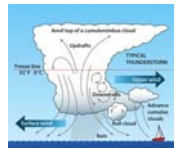


< **Powering Your Boat** - Types of marine engines; marine engines; selecting a propeller; induction systems; ignition systems; flame arresters; cooling systems; gasoline considerations; batteries; maintenance; winterizing your boat; spring fitting-out; troubleshooting.



< **Lines & Knots For Your Boat** - Line or rope; rope materials; kinds of rope; measuring rope; selecting ropes; care of rope; making up line; knots, bends, and hitches; splices; securing lines.

< **Weather & Boating** - Sources of weather information; wind and boating; wind and waves; understanding weather; weather and heat; fog; non-frontal weather.



< **Your Boat's Radio** - Radios used on boats; functions of radios; licenses; selecting, installation and operation of your VHF-FM radio; channels have special purposes; some "no no's"; copies of the rules; calling another station; procedure words; phonetic alphabet; routine radio check; distress, urgency, and safety calls; crew training.

