

## Welcome to the Boater101 Program!

**Congratulations!** You have just taken the first step to boating safely by participating in the *BOATER101* program. *BOATER101* is a fun, informative way to learn about boating safety and environmental awareness. This program was developed in 1993 by Marine University, a non-profit organization, through collaboration with marine industry members. The goal of this program is to create an educational experience that the participants will use throughout their lives.

To become a certified boater, you must complete the following steps:

1. Familiarize yourself with the federal boating safety information included in the Boater101 Manual.
2. Visit the Boater101 web site to review state-specific information for your state. Each state has boating laws in addition to the federal regulations discussed in the previous chapters that are unique. You must familiarize yourself with your state's regulations to ensure that you are following all the appropriate laws.
3. Finish the course by either taking an online exam or classroom course. The availability of the online exam or classroom course is dependent on state requirements. You will be directed to the appropriate venue once you register online.

We wish to express our gratitude to all of our sponsors who have made Boater101 possible. We would also like to thank marine manufacturers and dealers who provide their customers with the opportunity to become educated boaters.

### We hope you enjoy the program!



Course approved by the National Association of State Boating Law Administrators and recognized by the U.S. Coast Guard as acceptable to the Recreational Boating Safety Program.

Copyright © 2006 by Marine University. All rights reserved. No part of this publication may be reproduced in any form or by any process without permission in writing from Marine University. Effort has been made to make this publication as complete and accurate as possible. All references contained in this publication have been compiled from sources believed to be reliable, and to represent the best current opinion on the subject. Marine University is not responsible or liable for any claims, liabilities, damages or other adverse effects or consequences to any person or property caused or alleged to be caused directly or indirectly from the application or use of the information contained in this publication.

**[info@marineuniversity.org](mailto:info@marineuniversity.org) • [www.marineuniversity.org](http://www.marineuniversity.org)**

# TABLE OF CONTENTS

CHAPTER 1 .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Boating Safety Education .....	<b>Error! Bookmark not defined.</b>
Boat Terminology .....	<b>Error! Bookmark not defined.</b>
Boat Designs.....	<b>Error! Bookmark not defined.</b>
Types of Boats .....	<b>Error! Bookmark not defined.</b>
Basic Hull Designs .....	<b>Error! Bookmark not defined.</b>
Hull Shapes.....	<b>Error! Bookmark not defined.</b>
Boat Classifications .....	<b>Error! Bookmark not defined.</b>
Types of Motors .....	<b>Error! Bookmark not defined.</b>
Outboard Engines .....	<b>Error! Bookmark not defined.</b>
Inboard Engines.....	<b>Error! Bookmark not defined.</b>
Inboard/Outboard (I/O) or Stern Drive Engines.....	<b>Error! Bookmark not defined.</b>
Jet Engines.....	<b>Error! Bookmark not defined.</b>
Water Activities.....	<b>Error! Bookmark not defined.</b>
Water Skiing and Other Aquaplaning Devices.....	<b>Error! Bookmark not defined.</b>
Fishing .....	<b>Error! Bookmark not defined.</b>
Hunting.....	<b>Error! Bookmark not defined.</b>
Diving.....	<b>Error! Bookmark not defined.</b>
Paddle Boats .....	<b>Error! Bookmark not defined.</b>
Personal Watercraft .....	<b>Error! Bookmark not defined.</b>
Liveries (Boat/PWC Rental Facilities).....	<b>Error! Bookmark not defined.</b>
CHAPTER 2 .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Registration, Numbering and Documentation.....	<b>Error! Bookmark not defined.</b>
Display of Numbers.....	<b>Error! Bookmark not defined.</b>
Hull Identification Number (HIN).....	<b>Error! Bookmark not defined.</b>
Boating Equipment.....	<b>Error! Bookmark not defined.</b>
Boat Maintenance and Repair.....	<b>Error! Bookmark not defined.</b>
Required Safety Equipment.....	<b>Error! Bookmark not defined.</b>
Federal Requirements .....	<b>Error! Bookmark not defined.</b>
Backfire Flame Arrestor .....	<b>Error! Bookmark not defined.</b>
Ventilation System .....	<b>Error! Bookmark not defined.</b>
Navigation Lights .....	<b>Error! Bookmark not defined.</b>
Fire Extinguishers.....	<b>Error! Bookmark not defined.</b>
Visual Distress Signals .....	<b>Error! Bookmark not defined.</b>
Sound Producing Devices.....	<b>Error! Bookmark not defined.</b>
Personal Flotation Devices (PFDs).....	<b>Error! Bookmark not defined.</b>
Recommended Safety Equipment .....	<b>Error! Bookmark not defined.</b>
Cooling Systems.....	<b>Error! Bookmark not defined.</b>
First Aid Kit.....	<b>Error! Bookmark not defined.</b>
Communication Equipment.....	<b>Error! Bookmark not defined.</b>
Anchors .....	<b>Error! Bookmark not defined.</b>
Nautical Charts .....	<b>Error! Bookmark not defined.</b>

# TABLE OF CONTENTS

Global Positioning System .....	<b>Error! Bookmark not defined.</b>
Compass .....	<b>Error! Bookmark not defined.</b>
CHAPTER 3 .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Getting Ready to Go .....	<b>Error! Bookmark not defined.</b>
Pre-Departure Checklist .....	<b>Error! Bookmark not defined.</b>
Float Plan.....	<b>Error! Bookmark not defined.</b>
Fueling Procedures .....	<b>Error! Bookmark not defined.</b>
Trailing Your Boat .....	<b>Error! Bookmark not defined.</b>
Driving With A Trailer .....	<b>Error! Bookmark not defined.</b>
Launching.....	<b>Error! Bookmark not defined.</b>
Loading.....	<b>Error! Bookmark not defined.</b>
Retrieving .....	<b>Error! Bookmark not defined.</b>
U.S. Aids to Navigation (ATON).....	<b>Error! Bookmark not defined.</b>
Non-Lateral Markers (Information and Regulatory Markers).....	<b>Error! Bookmark not defined.</b>
Lateral Markers .....	<b>Error! Bookmark not defined.</b>
Buoy Colors and Numbers .....	<b>Error! Bookmark not defined.</b>
Navigation Tips .....	<b>Error! Bookmark not defined.</b>
Night Navigation .....	<b>Error! Bookmark not defined.</b>
Safe Operation .....	<b>Error! Bookmark not defined.</b>
Theft Prevention .....	<b>Error! Bookmark not defined.</b>
Homeland Security .....	<b>Error! Bookmark not defined.</b>
Law Enforcement Authority.....	<b>Error! Bookmark not defined.</b>
CHAPTER 4 .....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Lines and Knots .....	<b>Error! Bookmark not defined.</b>
What is a Line? .....	<b>Error! Bookmark not defined.</b>
Knots .....	<b>Error! Bookmark not defined.</b>
Safety Issues .....	<b>Error! Bookmark not defined.</b>
Carbon Monoxide Poisoning.....	<b>Error! Bookmark not defined.</b>
Man Overboard Guidelines .....	<b>Error! Bookmark not defined.</b>
Capsizing.....	<b>Error! Bookmark not defined.</b>
Cold Water Immersion .....	<b>Error! Bookmark not defined.</b>
Hypothermia .....	<b>Error! Bookmark not defined.</b>
Running Aground.....	<b>Error! Bookmark not defined.</b>
Checking Local Hazards.....	<b>Error! Bookmark not defined.</b>
Leeway .....	<b>Error! Bookmark not defined.</b>
Dams, Locks and Bridges.....	<b>Error! Bookmark not defined.</b>
Prepare and Anticipate Weather .....	<b>Error! Bookmark not defined.</b>
Clouds.....	<b>Error! Bookmark not defined.</b>
Storms.....	<b>Error! Bookmark not defined.</b>
Hurricanes.....	<b>Error! Bookmark not defined.</b>
Wind .....	<b>Error! Bookmark not defined.</b>
Lightning .....	<b>Error! Bookmark not defined.</b>

## TABLE OF CONTENTS

Fog.....	<b>Error! Bookmark not defined.</b>
Tides.....	<b>Error! Bookmark not defined.</b>
CHAPTER 5.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Disclaimer.....	<b>Error! Bookmark not defined.</b>
Rules of the Road.....	<b>Error! Bookmark not defined.</b>
Give-way and Stand-on Vessels....	<b>Error! Bookmark not defined.</b>
Operating in a Narrow Channel....	<b>Error! Bookmark not defined.</b>
Non-Motorized Vessels and Commercial Craft Situations	<b>Error! Bookmark not defined.</b>
Operating Under Sail.....	<b>Error! Bookmark not defined.</b>
Collision Avoidance.....	<b>Error! Bookmark not defined.</b>
Restricted Visibility.....	<b>Error! Bookmark not defined.</b>
Boating Accidents.....	<b>Error! Bookmark not defined.</b>
Rendering Assistance.....	<b>Error! Bookmark not defined.</b>
Interference With Navigation.....	<b>Error! Bookmark not defined.</b>
Negligent Operation.....	<b>Error! Bookmark not defined.</b>
Common Navigational Situations.	<b>Error! Bookmark not defined.</b>
Western Rivers and Great Lakes System	<b>Error! Bookmark not defined.</b>
Anchoring Your Boat.....	<b>Error! Bookmark not defined.</b>
Docking and Mooring.....	<b>Error! Bookmark not defined.</b>
Approaching the Dock.....	<b>Error! Bookmark not defined.</b>
Leaving the Dock.....	<b>Error! Bookmark not defined.</b>
Boating Under the Influence.....	<b>Error! Bookmark not defined.</b>
The Effects of Alcohol.....	<b>Error! Bookmark not defined.</b>
CHAPTER 6.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Aquatic Nuisance Species (ANS).....	<b>Error! Bookmark not defined.</b>
Disposal of Toxic Substances.....	<b>Error! Bookmark not defined.</b>
Oil Pollution.....	<b>Error! Bookmark not defined.</b>
Cleaning Products.....	<b>Error! Bookmark not defined.</b>
Proper Garbage Disposal.....	<b>Error! Bookmark not defined.</b>
Degradation Rates.....	<b>Error! Bookmark not defined.</b>
Proper Waste Disposal.....	<b>Error! Bookmark not defined.</b>
APPENDIX A.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
APPENDIX B.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
INDEX.....	<b>ERROR! BOOKMARK NOT DEFINED.</b>
Boat Operations Checklist.....	<b>Error! Bookmark not defined.</b>
Float Plan.....	<b>Error! Bookmark not defined.</b>
Pre-Departure Checklist.....	<b>Error! Bookmark not defined.</b>