

# COASTAL NAVIGATION I

## Course Outline

<b>Week 1</b>	<b>Nautical Charts, Chart Symbols, Nav Publications</b>
	Reading: Chapters 1 thru 4 Assignments: 1. Introduction to Nautical Charts 2. Chart Symbols
<b>Week 2</b>	<b>Distance, Direction, Position, and Aids to Navigation</b>
	Reading: Chapters 5 thru 8 Assignment: 3. Latitude and Longitude 4. Position, Distance and Direction
<b>Week 3</b>	<b>Compass, Compass Error, Compass Correction, Relative Bearings</b>
	Reading: Chapter 10 Assignments: 5. Chart Compass Correction Exercise 6. Relative Bearings Compass Correction Exercise 7. Compass, Magnetic and True Exercise
<b>Week 4</b>	<b>Distance/Speed/Time, Dead Reckoning</b>
	Reading: Chapter 9 Assignments: 8. Distance, Speed, Time 9. Time, Speed, Distance 10. Introduction to "DR Plotting"
<b>Week 5</b>	<b>Piloting, Lines of Position, Cross Bearing Fixes</b>
	Reading: Chapter 11 Assignment: 11. Cruising "DR Plotting" 12. A Cruise from Newport Harbor to Catalina & Return (3 days)
<b>Week 6</b>	<b>Running Fixes, Bow and Beam Fixes, Danger Bearings, Piloting Practice</b>
	Reading: Review Chapters Assignment: 13. Running Fix & Bow Beam Fix 14. Advanced Cruise along California Coast
<b>Week 7</b>	<b>Course Review and Final Navigation Exercise</b>
	Reading: Review Chapters Assignment: Final Cruise



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## Books & Materials

- Course Text:** Basic Coastal Navigation, 2nd ed,  
An Introduction to Piloting for Sail and Power  
by Frank J. Larkin
- Chart # 1210TR – Martha’s Vineyard to Block Island  
Chart # 18746 – San Pedro Channel
- Hand-Outs:** The School of Sailing & Seamanship Coastal Nav1 Workbook.  
Bearings  
Deviation Table  
Time-Speed-Distance
- Navigator’s Tools:** Dividers (7-inch)  
15” Parallel Plotter #120 by Weems & Plath (parallel rules)  
Mechanical pencil (.05 or .07)  
Magic-rub’ eraser  
Pocket calculator
- Other Texts Books:** Chapman Piloting & Seamanship, (66th Edition)  
– Elbert S. Maloney, Hearst Books N  
The Annapolis Book of Seamanship (3rd Edition)  
– John Rousmaniere, Simon & Schuster, NYC