

MST 214B -- ADVANCED OCEAN SAILING COURSE SYLLABUS

Text: Steve Colgate "Colgate's Basic Sailing" & "Steve Colgate on Cruising"

<u>Lectures</u> (alternate Mondays)	<u>Assignment</u>	<u>Cruises</u>	<u>Assignment</u>
JAN. 8 1. Introduction, terms, aerodynamics, sailing maneuvers. Emergency procedures/safety Reefing JAN. 22 2. Anchoring Checklists and vessel systems Coastal Piloting FEB. 5 3. Cruise organization Provisioning MAR. 5 4. Rules of the Road Aids to navigation MAR. 19 5. Sail shape and trim Balance of sail design Tuning the rig APR. 2 6. Local weather, fog Heavy weather procedures Reefing, sail changes, heave to, etc. APR. 16 7. Cruising grounds Marine electronics APR. 30 8. Boating laws Survival/shipwreck techniques MAY 14 <i>FINAL EXAM</i>	Basic Sailing: p.2-72 Cruising: Chapt. 2-6 Basic Sailing: p. 73-98 Cr: Chapt. 7 BS: p. 89-91 Cr: p. 110-113 BS: p. 77-98 Cr: Chapt. 4 BS: p. 93-95 Cr: p. 94-98 Various Cr: p. 125-126 BS: p. 99-100 Cr: p. 15-21	FEB. 17-19 (departs Saturday morning) <u>I. CATALINA/SAN CLEMENTE ISLAND</u> Provisioning Cr: p. 13-14 Watchstanding p. 117-118 Night navigation Man-overboard AvSyll: p. 9-10 Rules of the road AvSyll: p. 16-17 Sail shape & trim Cr: p. 127-147 Reefing Cr: p. 61-93 Anchoring Cr: p. 94-98 Navigation/Charting Cr: Chapt. 7 Intro to: spinnaker BS: p. 107-111 electronics Cr: p. 148-149 marine systems Cr: p. 117-124 knot tying Various <u>First Midterm Exam</u> APR. 19 - 22 (departs Thursday evening) <u>II. SANTA BARBARA ISLAND/CATALINA</u> Continued practice: spinnaker electronics marine systems knots <u>Second</u> anchoring <u>Midterm</u> mooring <u>Exam</u> Finalization of skills: Sail dynamics Rules of the Road Navigational aids Anchoring Electronics Systems Spinnaker (racing techniques) Marlinspike testing	

Throughout:

1. Cruising preparation, provisioning and cooking, resource conservation.
2. Boat maintenance, repairs and materials.
3. Individual leadership training and skills.

Watches will be assigned for each vessel and crew.

Duties of each watch will include:

1. Provisioning, cooking and cleaning for assigned meals.
2. Watchstanding.
3. End of cruise cleaning of vessel.

Grade: Based on 40% midterms, 20% cruise participation and 40% final exam.