

Underwater Research

Shoals Marine Laboratory

July-August 2011

DATE	MORNING	AFTERNOON	EVENING
25 Mon			Introduction and Organisms I
26 Tues	Patterns and Processes: Kelp, Mussels, Urchins	The Snorkel: a) swim test, Underwater Navigation, Rescue Skills (lecture), b) A Search for Patterns	Organisms II Diving Techniques (hookah, saturation, ice diving)
27 Wed	Diving Physics, Physiology & Medicine; Dive Tables; Working underwater	Underwater Navigation; Checkout Dive (1)	Statistical Analysis I
28 Thu	Philosophy of Research; Sampling Design	Lab 1: Crabs (1)	Statistical Analysis II (introduction to JMP); Lab 1 Analysis
29 Fri	Diving in Fisheries: C. Siddon DIVE PROBLEMS DUE	Lab 2: Sampling Methods (2)	PAPER WORKSHEET DUE Discuss papers: Nelson & Craig 2010; Meyer & Byers 2011
30 Sat	Kelp forest dynamics in Alaska; Lab 2 Analysis	Lab 3: Anemones (1)	PAPER WORKSHEET DUE Discuss papers: Lyons et al 2010; Johansson et al. 2010
31 Sun	Lab 3 Analysis	ORGANISM EXAM (1) Re-breather Demonstration: Ryan King (UWR 2006) "20 Questions" Dive (1)	CPR/O ₂ /First Aid/AED: instruction
1 Mon	CPR/First Aid/AED: instruction/exams	O ₂ : instruction/exams, AAUS lecture, Receive scientific diver exam	PAPER WORKSHEET DUE Discuss papers: Cacabelos et al. 2010; Dumont et al. 2011
2 Tue	Discuss "20 Questions", PAPER SUMMARY DUE	Proposal Dive (1-2)	Proposal discussions and outlines (individual)
3 Wed	Proposal Dive (1)	Proposal Dive (1-2)	Open
4 Thu	FINAL EXAM	Proposal Dive (1-2)	Night Dive (1)
5 Fri	Proposal Dive (1)	Proposal Dive (1-2)	Discuss proposals
6 Sat	JBH Dive	SCIENTIFIC DIVER EXAM DUE, Discuss rough draft	Open
7 Sun	Open	Open	PROPOSALS DUE