Ocean Sciences Schedule, 2008
Updated 1/16/08

#	Lecturer	Topic	Date	Reading**	Lab/Workshop Activities	
1	JC	Introduction and ocean basins	Th Jan 17	Ch. 2 (31-59)	Week 1	No lab first week
2	JC	Plate tectonics and the Ocean Basins	T Jan 22	Ch. 3 (61-89)	Week 2	Hypsometry
3	Clem or AC	Oceanic volcanism	Th Jan 24	Tarduno 2008; Stock 2003		
4	AC	Sediments	T Jan 29	Ch. 4 (91-131)	Week 3	Marine sediments
5	AC	Physical Properties of Seawater	Th Jan 31	Ch. 5 (133-140, 167-183)		
6	AC	Seawater chemistry	T Feb 5	Ch. 5 (140-167)	Week 4	Ocean chemistry
7	AC	Waves	Th Feb 7	Ch. 7 (227-255)		
8	JC	Tides	T Feb 12	Ch. 8 (257-283)	Week 5	Tsunami and tides
9	JC	Coastal and estuaries	Th Feb 14	Ch. 11 (365-397), ch. 12 (399-409)		
10	AC	Marine Life and ecology: Introduction	T Feb 19	Ch. 9 (285-321)	Week 6	Satellite data analysis - primary production
11	JC (AC at NRC mtg)	Who lives in the ocean? 1. Nutrients, Productivity and Plankton	Th Feb 21	Ch. 10 (323-363)		
12	AC	Who lives in the ocean? 2. The Benthos and Invertebrates	T Feb 26	TBA	Week 7	Invertebrate identification
13	AC	Marine ecological communities: Intertidal	Th Feb 28	Ch. 12 (405-420)		
		Field Trip-San Carlos	Feb 29-Mar 2, Fri-Sun	Trip reading package		
14	JC	Sea level	T Mar 4	TBA	Week 8	Field trip report
15	AC	Marine ecological communities: Coral reefs	Th Mar 6	Ch. 12 (421-429)		
		EXAM	T Mar 11		Week 9	Reef assignment
16	JC	The atmosphere	Th Mar 13	Ingle (2001) online; also Ch. 6 (185-191)		
		Spring Break, no class	T Mar 18			
		Spring Break, no class	Th Mar 20			
17	JC	Surface ocean circulation	T Mar 25	Ch. 6 (192-208)	Week 10	T-S diagrams, water masses
18	JC	Deep ocean circulation	Th Mar 27	Ch. 6 (208-225)		
19	JC	Ocean circulation/ENSO	T Apr 1	TBA	Week 11	ENSO data analysis
20	JC	ENSO	Th Apr 3	TBA		
21	AC	Who lives in the ocean? 3. Vertebrates (incl. Mammals)	T Apr 8	TBA	Week 12	TBA
22	AC	Marine ecological communities: Deep sea; vents	Th Apr 10	Ch. 13 (445-450)		
23	AC	Fisheries	T Apr 15	Ch 14 (463-471), Ch 15 (496-500).	Week 13	Fisheries data analysis
24	AC	Paleoceanography	Th Apr 17	TBA		
25	JC	Ocean biogeochemistry, global change	T Apr 22	TBA	Week 14	TBA
26	JC	Marine resources and pollution	Th Apr 24	Ch 15 (475-492)		
27	Students	Student presentations	T Apr 29		Week 15	No lab
28	Students	Student Presentations	T May 1			
29	Students	Student Presentations	T May 6			
	FINAL		**T May 13, 8-10 AM**			

**** from Pinet, Invitation to Oceanography (4th edition) unless otherwise indicated. Other readings are posted online, and additional reading**