EEB 109 - INTRODUCTION TO MARINE SCIENCE
SPRING 2007 – Tentative Schedule

LECTURES: TR 3:30–4:45 PM – **MS 5200**
LAB SECTIONS: **1A** T9-11:50 AM; **1B** T12-2:50 PM; **1C** R9-11:50 AM; **1D** F12-2:50 PM, **1E** W1-3:50
LS 1315

Instructor:	Vicente Cassano Ph. D.	Jon Valencia (TA)	Stephen Estes (TA)
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DATE	LECTURE (Tu/Th)	LABORATORY	READINGS (pages)
Week 1			
Tu April 3	Introduction	Intro, paper & literature search	1-6
Th April 5	Chemistry of seawater	Phytoplankton and macrophytes	
Week 2			
Tu April 10	Physics and boundary layers	Physical, chemical, geological	7-19
Th April 12	Currents and waves	processes in the ocean	
Week 3			
Tu April 17	Phytoplankton	Invertebrates I, zooplankton	42-48
Th April 19	Primary production		61-98
Week 4			
Tu April 24	Zooplankton	**LAB EXAM 1**	48-60
Th April 26	Invertebrates (Cnidaria → Annelida)		
	FIELD TRIP: Malibu Lagoon (Sunday, April 29)		
Week 5			
Tu May 1	Invertebrates (Mollusca → Chordata)	Invertebrates II	
Th May 3	Review		
Week 6			
Tu May 8	**MIDTERM EXAM**	Fish and other marine vertebrates	
Th May 10	Fish and other marine vertebrates		103-143
Week 7			
Tu May 15	Seaweeds and kelp forests	Temperate coastal ecosystems:	221-233
Th May 17	Intertidal communities	rocky intertidal and kelp forest	266-305
	FIELD TRIP: Leo Carrillo (Sunday, May 20 6:30 AM)		
Week 8			
Tu May 22	Coral Reefs	Coral reefs, mangroves, deep sea	407-452
Th May 24	Mangroves	communities	453-474
Week 9			
Tu May 29	Estuaries	**LAB EXAM 2**	361-381
Th May 31	Estuaries		
	FIELD TRIP: Grunion Run Cabrillo Marine Aquarium (Saturday, June 2)		
Week 10			
Tu June 5	Deep sea communities	Oral presentations	144-155, 175-187
Th June 7	Review		

FINAL EXAM: Thursday, June 14 11:30 AM – 2:30 PM

TEXTBOOK: Nybakken, J.M., and M.D. Bertness. 2004. Marine Biology: An Ecological Approach. Sixth Edition. Benjamin Cummings, San Francisco. 579 pages.

LAB MANUAL: Selected materials from Dr. Zimmer's lab manual (Zimmer, R.K. 2005. Introduction to Marine Science: Laboratory Manual. 77 pages) will be made available in the class web site.

GRADING:

Lab practical exam 1	**150 points**
Lab practical exam 2	**150 points**
Midterm exam	**250 points**
Final exam	**350 points**
Paper & presentation	**50 points**
Field trips	**50 points**

GRADING POLICIES:

1. Exams taken on date and time (medical excuses only)
2. No "making up points" for poor performance
3. No "grading on improvement"
4. Grades: Limits 90% (A), 80% (B), 70%(C), 60%(D)