

EAS B6800 Physical Oceanography (3 credits) (Code 2703)
EES 799.03 Physical Oceanography (3 credits)

Fall Semester, 2003, W F 1700-1815 hrs, J925/J902

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Chap</u>
1	W 03 Sept	History of Oceanography	T:1
	F 05	Overview (Hmwk 1)	K:1
2	W 10	Origins of the oceans	T:2
	F 12	McIDAS workshop (Hmwk 2)	Handout
3	W 17	Plate tectonics	T:3
	F 19	Stratified ocean (Hmwk 3)	K:2
4	W 24	Marine provinces	T:4
5	W 01 Oct	Marine sediments	T:5
	F 03	Heat transfer at ocean surface (Hmwk 4)	K:3
6	W 08	Physical water properties	T:6
	F 10	Conservation equations (Hmwk 5)	K:4
7	W 15	Chemical water properties	T:7
	F 17	Equations of motion (Hmwk 6)	K:5
	Sat 18 Oct	Research vessel cruise, 12-4pm (\$20 fee)	
8	W 22	Air-sea interaction	T:8
	F 24	Exam I	
9	W 29	Ocean circulation/Earth's rotation	T:9/K:6
	F 31	Currents/Temp-salinity (Hmwk 7)	K:7/8
10	W 05 Nov	Wind generated waves	T:10
	F 07	Wind generated waves (Hmwk 8)	K:9
11	W 12	Tides (Hmwk 9, cruise)	T:11
	F 14	Tides (Hmwk 10, tides)	K:10
12	W 19	Coasts	T:12
	F 21	Coastal waters (Hmwk 11)	T:13
	Sat 22 Nov	Coast field trip, 12-4pm (free)	
13	W 26 Nov	Coastal waters (Hmwk 12)	K:11
14	W 03 Dec	Sound	K:12
	F 05	Optics (Hmwk 13)	K:12
15	W 10	Review	
	F 12	Exam II	
	TBD	Comprehensive final exam (optional)	

Instructor: Prof. Ward Hindman (Edward)

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Text: Thurman and Burton (T), *Introductory Oceanography*, 9th edition

Knauss (K), *Introduction to Physical Oceanography*, 2nd edition (handout)

Tests: Midterm (40%), Endterm (40%)

Assignments: 20%

Grades: A>90%, B>80%, C>70%, D>60%, F<60% (I do not curve)

No makeup exams. If you miss an exam you must take the final. You may take the final to replace a lower exam grade. Assignments due at beginning of class, late assignments will not be accepted (mail or fax them, if necessary, to Prof. Hindman, EAS Dept., CCNY, NYC, NY 10031, postmark no later than date and time due). Keep all work to settle grade disputes. No food or drink allowed in classroom. Please disable cell phones in the classroom.