

SYLLABUS (28 Mar 05)
EAS 106 Introduction to Earth System Sciences (Code 0505, Section GH)
 Spring Semester 2005
 Lecture: M & W 1700-1815 hrs, J925
 Laboratory: M 1815-1915 hrs & W 1815-1945 hrs, J925 (**J043** where noted)

Week	Date	Lect	Topic	Chap	Lab	Topic
2	M 31 Jan	1	Introduction; Planets	1, 2, 25	1a	Isotopes
	W 2 Feb	2	Sun and stars	25	1b	Radioactive decay
3	M 7	3	Minerals, J043	3	2a	Mineral identification
	W 9	4	Rocks, J043	4, 5, 6	2b	Mineral identification
4	M 14	5	Geologic time, J043	7, 8	3a	Rock identification
	W 16	6	Plate tectonics, J043	17	3b	Rock identification
5	W 23	7	Earthquakes	18	4a	Plate tectonics
6	M 28	8	Volcanoes	4, 22	4b	Contour maps
	W 2 Mar	9	Mountain ranges	19, 20, 21	5a	Earthquakes
7	M 7	10	Weathering	10, 11	5b	Geologic structures
	W 9	11	Hydrology	12, 13	6a	Floods
8	M 14	12	Glaciers	14	6b	Ground water flow
	W 16		Test 1			Test 1 (8 took M&R exam)
9	M 21		Building closed			
	W 23		Building closed			
10	M 28		No classes			
	W 30	13	Deserts and wind	16	Lect 14	Ocean waves, Chapt. 15
11	M 4 Apr	15	Tides/Coastal processes	15	7a	Waves
	W 6	16	Ocean basins	19	7b	Tides
12	M 11	17	Weather	9	8a	Sunshine
	W 13	18	Forecasting	Notes	8b	Sun-path
13	M 18	19	Meso-scale models	Notes	9a	Weather characterization
	W 20	20	Climate: tropical	9	9b	Weather forecasting
14			Spring break			
15	M 2 May	21	Climate: polar	9	10a	Remote sensing of climate
	W 4	22	Climate change	9	10b	Remote sensing of climate
16	M 9	23	Climate change	9	11a	Climate calculations
	W 13	24	Air pollution	Notes	11b	Climate calculations
17	M 16		Lab Test 2 (12 students to take M & R exam)			
	W 18		Test 2			
	M 23		Comprehensive final exam (Test 3) (optional), 1815-2030 hrs			

Instructor: Prof. Ward Hindman (Edward)

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Text: W. Hamblin and E. Christiansen, *Earth's Dynamic Systems, 10th Edition*, Prentice Hall. **No lab manual, lab worksheets will be handed out.**

Grades: A+ 100-98%, A 97-94%, A- 93-90%; B+ 89-87%, B 86-84%, B- 83-80%; C+ 79-77%, C 76-74%, C- 73-70%, D 69-60%, F<60% (I do not curve). Your grades and grade-to-date will be posted on the web at mid-term and end-term. You are responsible for checking their accuracy against the grades on returned papers, thus, **YOU MUST KEEP YOUR RETURNED PAPERS!**

Tests: 70%, Test 1: Lect. 1-12 and Test 2: Lect. 13-24. No makeup tests will be given. The best two of three tests will be counted. If you miss a test you need to take the comprehensive final (Test 3). If you arrive at a test after the first person leaves, you cannot take the test.

Laboratories: 30% (Assignments 30%, Tests 70%), Due no later than the beginning of the next "a" lab. Late assignments will not be accepted. The assignments must be your own work. There will be no lab make-up tests. Test 1: Labs 1-5 and Test 2: Labs 6-11.

General: Lectures and answers to tests and laboratories will be posted on the web. Grade disputes must be resolved before the final exam. Cheating on tests and laboratories will cause failure of the course. No food or drink is allowed in the classroom and lab. Please disable your cell phone and pager in the classroom and lab.