

# **SCI 104 Science II (Code 1387, 1388, 1389, 1390)**

Fall Semester 2003, Lectures: M, W & F 1100-1115, J3

Labs: M 1400-1540 (P), W 1400-1540 (P), W 1600-1740 (E), F 1400-1540 (E), J042						
Week	Lecture	Date	Chapter	Topic	Lab	
1	1 W	3 Sept	14	Stars: nature	1 Solar/Lunar obs.	
	2 <b>F</b>	5		anatomy	1	
2	3 M	8		life-cycles	1	
	4 <b>W</b>	10	15	Universe: galaxies	2 Night sky	
	5 F	12		Big Bang	2	
3	6 M	15	16	Planets: solar system	2	
	7 <b>W</b>	17		formation	3 Mt. building	
	8 F	19		asteroids, comets, meteors	3	
4	9 M	22	17	Geology: dynamic Earth	3	
	10 <b>W</b>	24		Plate tectonics	4 Pangea or Geo. obs.	
5	11 M	29		volcanoes	4	
	12 <b>W</b>	01 Oct		earthquakes	5 Weather	
	13 F	03	18	Earth cycles: hydrologic	4	
6	14 T (M)	07		weather	5	
	15 <b>W</b>	08		climate	6 Climate	
	16 F	10		rock	5	
7	17 <b>W</b>	15	19	Ecology: ecosystems	7 Maps	
	18 F	17		ozone	6	
8	19 M	20		air pollution, global change	6	
	W	22		<b>Test 1</b>	8 Micro-organisms	
	20 F	24	20	Life: organization	7	
9	21 M	27		fungi, plants	7	
	22 <b>W</b>	29		animals	9 Life	
	23 F	31	21	Molecules of life: organic	8	
10	24 M	03 Nov		proteins	8	
	25 <b>W</b>	05		carbohydrates	10 Enzymes	
	26 F	07	22	Cells: nature and variety	9	
11	27 M	10		structure	9	
	28 <b>W</b>	12		metabolism	11 Chromosomes	
	29 F	14		division	10	
12	30 M	17	23	Genetics: classical	10	
	31 <b>W</b>	19		DNA	12 Genetics	
	32 F	21		RNA	11	
13	33 M	24		viruses	11	
	34 <b>W(F)</b>	26	24	New life: genes	12	
14	35 M	01 Dec		cloning	12	
	36 <b>W</b>	03		cancer	13 Antibiotics	
	37 F	05		AIDS	13	
15	38 M	08	25	Evolution: The facts	13	
	39 <b>W</b>	10		chemical	Final	
	40 F	12		natural selection	Final	
16	M	15		<b>Test 2</b>	Final	
	TBD			<b>Test 3 Comprehensive</b> (cumulative) <b>final exam</b> (optional)		

**Instructor:** Prof. Ward Hindman (Edward)

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**Lab instructors:** Freda Ponce, ponce66@hotmail.com, and Yehya Elsayed, yehya1975@hotmail.com

**Text:** Trefil, J. and R. M. Hazen, 2004: *The Sciences: An integrated approach*, 4th edition, Wiley, New York, 640 pp. (ISBN 0-471-21963-0).

**Grades:** A≥90%, B≥80%, C≥70%, D≥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%, No makeup tests will be given. The best two of three tests will be recorded. 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 can not take the test.

**Quizzes:** 10%, Once a week, typically Wednesdays (**boldfaced**), on material from lectures and the textbook since the last quiz or exam. There will be no makeup quizzes; extra credit points on exams will make up for missed quizzes.

**Laboratory:** 20%, Assignments are due at end of the lab period; late assignments will not be accepted. If you miss a lab, arrange for a possible makeup with the lab instructor. Lab grade: **60%** final exam, **40%** lab work.

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