

CH 101/105, FALL SEMESTER, 2010: LABORATORY SCHEDULE

There is one three-hour laboratory each week. Lab sessions are in SCI 268 on Monday - Friday. **The first laboratory session is on Monday, September 13.** Some weeks there will also be a laboratory lecture on Wednesday (2-3pm in MOR101), Thursday (1-2pm in KCB 107 and 4-5pm in SCI 107) or Friday (2-3pm in MOR 101). **The first laboratory lecture is on Wednesday, September 8th.** Most reports are due one week after the completion of the lab work. For more details see the schedule of the labs given below. The lab with the lowest score will be dropped. The missed lab will get zero score. No makeup labs will be allowed.

Week #	DATES	LAB LECTURE	LAB EXPERIMENT/page in the lab manual; lab post-test information	Due date and the format of the lab report.
1	9/2, 3	No lab lecture	No labs	-----
2	9/7– 10	Lab lecture #1: exp. #1	No labs	-----
3	9/13 – 17	Lab lecture #2: exp. #2	Exp. #1. Measurement of atom and molecules in solids, liquid and gases, p. 13.	Full report is due in a week in the lab
4	9/20– 24	No Lab lecture	Exp. #2. Chemical composition of inorganic salts, p. 47.	Full report is due in a week in the lab
5	9/27–10/1	Lab lecture #3: Workshop on exp. # 3: Energy of light.	No labs in SCI 268. Bring your lab manual to the lab lecture, which will be used for experiments on Energy of light (see p. 67 of the lab manual). Spectroscopes will be provided at the lecture.	Brief report is due in a week in the lab
6	10/4-8	Lab lecture #4: computer lab #5	Lab assignment #4: In lab post-test on Workshop “Energy of light”. Bring a calculator to the lab.	
7	10/11-15 M-holiday	Lab lecture #5: computer lab #6.	Computer lab exp. # 5: Investigation of the general wave properties. Computer labs # 5, 6 and 7 should be done on your own computers at your convenience. NO LABS IN SCI 268	-----
8	10/18– 22	Lab lecture # 6: computer lab #7	Computer lab exp. #6: Time dependent electron waves. NO LABS IN SCI 268.	Brief lab report on exp. #4 is due at the end of the lab class
9	10/25 – 29	Lab lecture # 7: exp. #8.	Computer lab exp. #7: Molecular orbital investigation on symmetry, overlap and energy. Post-test on computer lab #5 and 6 on Monday, 10/25 at 5-7pm. Bring your lab reports on computer lab # 5 and 6 to the post-test.	Bring your lab report on computer lab exp. #6 to the post-test on Monday, November 2nd
10	11/1– 5	Lab lecture #8: exp. #9	Back to labs in SCI 268. Exp #8: Preparation of solutions, p.103.	Full lab report on exp. #8 is due in a week in the lab
11	11/8–12	Lab lecture #9: exp. #10	Exp #9: Lewis structure and molecular shapes, p.79	Brief report on exp. #9 is due at the end of the lab
12	11/15-19	No lab lecture	Lab exp.#10: Gas law experiment, p.131.	Brief lab report on exp. #10 is due at the end of the lab
13	11/22-26	Post-test on computer lab #7 on Monday, Nov. 22, at 5:00pm. Bring your lab form #7 to the post-test. No labs 11/22, 23. Fall Recess 11/24– 28.		
14	11/29 – 12/3	Lab exam review lecture in pre-labs	No labs in SCI 268	
15	12/6	Monday, December 6th, 5-7pm: CH101 Lab exam		