

## CH 101/105, FALL SEMESTER, 2016: 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 19.** There will also be a laboratory lecture on Wednesday at 3-4 pm in STO B50, and Thursday 11am-12noon, Friday 2-3pm (both in HAR 105). **Pre-lab lectures start second week of the semester, on Wednesday, September 14.** Most reports are due one week after the completion of the lab work. For more details see the schedule of the labs given below. *One lab with the lowest score (or a missed lab) will be dropped.*

Week #	DATES	LAB LECTURE	LAB EXPERIMENT	Due date and the format of the lab report.
1	9/6 – 9	No lab lectures	No labs	-----
2	9/12 – 16	Lab lecture #1: exp. #1	No labs	-----
3	9/19 – 23	Lab lecture #2: exp. #2	Exp. #1: Measurement of atom and molecules in solids, liquid and gases.	Full report is due in a week in the lab
4	9/26 – 30	Lab lecture #3: exp. #3	Exp. #2: Chemical composition of inorganic salts.	Full report is due in a week in the lab
5	10/3 – 7	Lab lecture #4: exp. #4, part1	Exp. #3: Preparation of solutions.	Brief report is due in two weeks in the lab
6	10/10 – 14	No lab lectures	No labs in SCI 268 (Monday 10/10 is a holiday)	
7	10/17 – 21	Lab lecture #4: exp. #4, part 2	Exp #4: Qualitative analysis. Part 1.	Bring data tables 1-5, pages 103, 104 and flow chart for five ion separation ready for submission at your next lab class (10/24-28).
8	10/24 – 28	Lab lecture #5: exp. #5, part. 1	Exp. #4: Qualitative analysis, Part 2	Brief lab report on exp. #4 is due at the end of the lab class
9	10/31– 11/4	Lab lecture #5: exp. #5, part. 2	Exp. #5: Thermochemistry, part 1: Calorimetry.	-----
10	11/7 – 11	Lab lecture #6: Workshop on Spectroscopy and Energy of light.	Exp. #5: Thermochemistry, part 2: Hess’s law	One brief lab report on both parts of exp. #5 is due in a week in the lab class
11	11/14– 18	Lab lecture #7: exp. #7	Lab assignment #6: In lab post-test on Workshop “Spectroscopy and Energy of light”. Bring a calculator to the post-test.	Brief report #5 and #6 (workshop and post-test) are due at the post-rest in the lab
12	11/21– 25	Fall Recess 11/23 – 27. No labs and lab lectures 11/21-22.		
13	11/28– 12/2	No lab lectures	Lab exp. #7: Lewis structure and molecular shapes.	Brief lab report on exp. #7 is due at the end of the lab class
14	12/5 – 9	Lab exam review In all pre-labs	Make up labs in all lab sections	
15	12/12	Monday, December 12, 5:15-7pm: CH101 Lab exam		