

Syllabus for CHM 2047L
One Semester Chemistry Laboratory
Fall 2011

Week # Week of	Experiment	Comments
1 Aug. 22	No labs meet first week. Download first lab handout from Sakai web site and read in preparation for the first lab	There is no text. Lab assignments are posted on the Sakai e-learning web site
2 Aug. 29	Lab 1: Conductometric determination of potassium	All labs meet in LEI 229 Inorganic Lab Enter at the West Door Come prepared with lab safety glasses, long pants, shoes covering your feet and a lab notebook.
3 Sept 5	Lab 2: Conductometric Titration: Titration of NaOH with HCl	Monday (5 th) is Labor Day, no lab
4 Sept.12	Lab 3: Determination of K_a for Acetic Acid	
5 Sept. 19	Lab 4: Sugars and refractive index	Take Home Quiz #1
6 Sept. 26	Lab 5: Atomic Spectroscopy Emission Spectrum of Hydrogen	
7 Oct. 3	Lab 6: Atomic Spectroscopy in Flames Trace element determinations using flame emission	
8 Oct. 10	Lab 7: Atomic Absorption Spectrometry Determination of Cu	
9 Oct. 17	Lab 8: To be Announced	
10 Oct. 24	Lab 9: Molar Absorptivity of a dye	Take Home Quiz #2
11 Oct. 31	Lab 10: Absorption spectroscopy of NO_2	
12 Nov. 7	Lab 11: Kinetics of DTNB^{2-} Hydrolysis Molecular Spectroscopy Lab	
13 Nov. 14	Lab 12: extemporaneous lab	
14 Nov. 21	Make up labs/evaluations	Thursday (24 th) is holiday, no lab
15 Nov. 28	Last Quiz	
16 Dec 5		

Course Objectives

This laboratory treats chemistry as a quantitative science and seeks to develop a keen observational insight. The emphasis is upon sharp observation, lucid note taking and logical data analysis and interpretation.

Grading

Grades will be determined from a point distribution as follows:

Twelve labs @ 50 pts each:	600
Two quizzes @ 100 pts each:	300
One conclusive exam @ 200 pts:	<u>200</u>
Total	1000 points

The lab grades will be based upon the organization, completeness and accuracy of the work contained in the lab notebooks. Normally you will turn in your lab notes at the next lab meeting, as a Xerox copy. More than 90% of the available points will earn an A grade. 80%-89% will earn a B. 70%-79% will earn a C. Plus and minus grades may be assigned as appropriate. See: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx> for additional UF grades and grading policies.

Late Penalty: 5 points per day late, not accepted after one week.

Instructor: Dr. Ben Smith

Offices: 264 Flint Annex, generally available for questions 8:00 - 5:00 M-F

Official Office Hours: M-F 4th period

Phone: 392-0256

bwsmith@ufl.edu (e-mail is a great way to ask a question)

Teaching Assistants: Mr. Andrew Mowson

Office: CLB 402, office hours: Thursday 1:00-3:00 pm

Phone:

E-mail: mowsam71@ufl.edu

Mr. Andy Warren

Office: CLB 201, office hours: Monday 12:00-2:00 pm

Phone: 392-0792

Email: riwarren@chem.ufl.edu

Attendance and Make-up labs

Because of the instrumental nature of the experiments, it is difficult to schedule make up labs outside of the week in which the lab is taught. If you must miss a lab for good cause, you must inform Dr. Smith in advance (if possible) and arrange to attend another section of the laboratory in which the same experiment is being taught.

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

Visit the Lab Sakai website prior to your first class and download a copy of the first lab. Be sure to show up with *lab notebook, lab safety glasses, long pants and shoes covering your feet*. See safety notes on the website!

Students with Special Needs

If you have any physical or learning disabilities, or if you have any other special classroom needs, please make an appointment to see me so we can discuss how to best assist you.

Academic Honesty

When you completed the registration form at the University of Florida, you signed the following statement:

"I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University."

Furthermore, on work submitted for credit, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

If you are aware of a climate that promotes academic dishonesty, please notify the instructor or contact the Student Honor Court (392-1631) or the Cheating Hotline (392-6999).