Syllabus for CHM 2047L One Semester Chemistry Laboratory Fall 2014

abs meet first week. Download first lab handout a Canvas web site and read in preparation for the lab 1: Basics of lab techniques and measurements 2: Conductometric determination of potassium 3: Conductometric Titration: ation of NaOH with HCl	There is no text. Lab assignments are posted on the Canvas e-learning web site All labs meet in LEI 108 Lab Come prepared with lab safety glasses, long pants, shoes covering your feet and a lab notebook. Monday (1st) is Labor day, no lab
2: Conductometric determination of potassium 3: Conductometric Titration: ation of NaOH with HCl	Come prepared with lab safety glasses, long pants, shoes covering your feet and a lab notebook.
3: Conductometric Titration: ation of NaOH with HCl	pants, shoes covering your feet and a lab notebook.
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4: Sugars and Refractive Index	
5: Literature Exercise: Marston Science Library	Take Home Quiz #1
6: Atomic Spectroscopy	
Emission Spectrum of Hydrogen	
6: Monday lab only	Friday (17 th) is Homecoming, no lab
7: Atomic Spectroscopy in Flames	
e element determinations using flame emission	
8: Molar Absorptivity of a dye	
9: Fluorescence quenching of quinine	Take Home Quiz #2
10: Kinetics of DTNB ²⁻ Hydrolysis	
11: Laser Plasma Spectroscopy	
e up lab Nov 24	Friday (28 th) is a holiday, no lab

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.

Meeting Times and Location

Leigh Hall 108

Mondays: periods 2-4 and 8-10 Fridays: periods 2-4 and 8-10

Grading

Grades will be determined from a point distribution as follows:

Eleven labs @ 50 pts each: 550
Two quizzes @ 100 pts each: 200
One conclusive exam @ 250 pts: 250

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. The grading scale will be as follows:

900 - 1000 points Α 880 - 899 pointsA-860 - 879 pointsB+800 - 859 pointsВ 780 - 799 pointsB-760 - 779 pointsC+700 - 759 pointsC 680 - 699 pointsC-660 - 679 pointsD+600 - 659 points D 0-599 points E

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 T-Th

Official Office Hours: T-Th 4th period

Phone: 392-0256

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

Graduate Teaching Assistants:

Mr. Willis Jones

Office: to be announced E-mail: wbjones@ufl.edu

Ms. Emily Gill

Office: to be announced Email:emilygill2014@ufl.edu

Undergraduate Teaching Assistants:

Ms. Madeleine Morin (section 1944)

Ms. Lauren von Zabern (section 1944)

Mr. Andrew Turner (section 4303)

Ms. Carly Misztal (section 4303)

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. With justification, there will be limited opportunity for make up labs on Monday, November 24.

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 Canvas e-learning 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*.

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).