CHEM 111201 General Chemistry Lab II (1 Credit)

Course Description:
Laboratory associated with General Chemistry II (CHEM 111001). The laboratory will involve experiments designed to reinforce the lecture topics. (Lab fee required)

Lab Instructor: Kristina Streu

Lab Director: Dr. Lynne O’Connell, Tel (617) 552-3626 (oconnell@bc.edu)
Merkert Chemistry Center, Room 111

Course Instructor: Dr. G. W. Griffin, Tel (617) 552-3620 (ggriffin@bhcc.mass.edu)
Merkert Chemistry Center, Room 202

Class times: Monday-Wednesday 11:45-2:45 Merkert 113

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Handouts as indicated
SUMMER 2014 LABORATORY SCHEDULE

Week 1

July 6  Check-in and Safety Training (new students only)
July 7  Experiment 12. Qualitative Analysis of Cations
July 8  Qualitative Analysis of Cations (cont'd)

Week 2

July 13 Qualitative Analysis of Cations (cont'd)
July 14 Experiment 13. Determining the Molecular Weight by Freezing Point Depression
July 15 Experiment 14. A Kinetic Study of the Breathalyzer Reaction

Week 3

July 20 Experiment 15. Exploring the World of Polymers
July 21 Experiment 16. Spectrophotometric Determination of an Equilibrium Constant
July 22 Experiment 17. Potentiometric Titration

Week 4

July 27 Experiment 18. Synthesis and Analysis of a Coordination Compound [Handout]
July 28 Coordination Compound (cont'd)
July 29 Experiment 19. Electrochemistry: Voltaic Cells [Handout]

Note: You must have passed the safety quiz with a grade of 90 or better before you will be allowed to work in the laboratory.

The grading policy and the experiments are available at the following web site:

www.bc.edu/schools/cas/chemistry/undergrad/labcourses.html

Note: Experiments 12 and 18 cannot be used as dropped grades.