CHEMISTRY 241H
Professor Royce W. Murray

Fall 2009, 10:00 MWF, Room B121 Kenan Labs

Textbook: “Quantitative Chemical Analysis” By Daniel C. Harris
Course website: blackboard.unc.edu (under Fall 2009 Honors Analyt. Meth./course docs)

Office Hours: Afternoons MWF 1:30 – 5:00, room C342, Kenan Labs. My calendar is typically quite busy; if you want to make an advance appointment, call 962-6295 (Ms. Norton) or dnorton@email.unc.edu

Exams: Hour exams only at scheduled hours, no makeups or alternate time will be allowed.
Grading: Three hour exams 20% each, final exam 40%

Pre- and Co:- General chemistry: Chemistry 102 or 102 H. It is an honor code violation to be enrolled in a course lacking the proper pre- and co-requisites, or the instructor’s permission.

241/245L Lab: You should take the lab the same semester as the lecture. It helps make the principles that we talk about in lecture “stick”. Check-in for Chemistry 241L/245L Lab begins during the week of August 31. Bring goggles and closed too shoes. Note: Students who don’t show up at their scheduled lab time for check-in are dropped.)

Problems: Will be assigned for your practice and understanding, they will not be collected or graded.

Schedule: Lectures are 10:00 – 10:50 am. We will meet most MWF with some interruptions when I am traveling (notably in 2 weeks of Sept). Please check the class schedule regularly. There are (optional) Q/A days preceding exams.

Topics: This course will deal with the basics and some modern examples of four fields: methods for the separation of chemicals, the uses of absorption of light by molecules for chemical analysis, chemical equilibria, and the potentials of electrochemical cells. The reading material will be a combination of a standard beginning analytical chemistry text (Harris, “Quantitative Chemical Analysis”), class notes on Blackboard, misc. other handout notes, and articles taken from recent chemical literature that illustrate advanced methods and the current thinking and applications of methods in the fields discussed. It should appeal to students considering chemistry as a professional career who seek appreciation of what chemists do in current research.

Policy adopted by the faculty of the Department of Chemistry on Sept. 9, 1997:

“Since all graded work (including homework to be collected, quizzes, papers, midterm examinations, final examinations, research proposals, laboratory results and reports, etc.) may be used in the determination of academic progress, no collaboration on this work is permitted unless the instructor explicitly indicates that some specific degree of collaboration is allowed. This statement is not intended to discourage students from studying together or working on assignments which are not to be collected.”