

Chemistry 51 Laboratory Reading Assignments Fall Semester, 2008

You are expected to read before coming to lab the section in the manual dealing with the experiment of the day, e.g. The Chemistry of Five Anions on the second lab meeting, as well as the supplementary material assigned for that week.

SUPPLEMENTARY READING ASSIGNMENTS

- WEEK 1 First Day in the Laboratory
 Introduction to Computing and Excel
 Curve Fitting and the Method of Least Squares
 General Instructions and Techniques
 General Laboratory Instructions, pp. 1-4
 Notebooks and Reports, pp. 5-7
 Weighing: General Considerations, pp. 25-27
 Laboratory Grading Policies, Chemistry 51 (after page 41)
- WEEK 2 General Instructions and Techniques
 Reliability of Laboratory Measurements, pp. 29-41
 Common Laboratory Techniques and Practices, pp. 9-19
- WEEK 3 General Instructions and Techniques
 Volume Measurement and Titration, pp. 19-25

ROUND-ROBIN SESSIONS (WEEKS 4-9):

(Review as needed the sections on Volume Measurement and Titration, Reliability of Laboratory Measurements, and Curve Fitting and the Method of Least Squares.)

Volumetric Acid Determination: Read the entire procedure but you will only be determining Section 4: Equivalent Weight and Ionization Constant. Also read Appendix D on the pH Meter.

- WEEK 11 The protocol for the synthesis of your complex which will be assigned later.