

George Mason University
CHEMISTRY 251
Laboratory Syllabus
Fall 2008

Laboratory Manual: Suzanne Slayden, 1999, Chemistry 211, 212, 251 Laboratory Experiments, 3rd Edition, GMU Bookstore, Johnson Center.

Web Site is the menu item "Handouts" on the GenChem results web page.

Week of	Laboratory Experiment / Exercise	Pages
Aug. 25	Check-in, Lab Safety	1-4
Sept. 1	Labor Day – No Labs This Week	-----
Sept. 8	Measurements, Data Handling	5-12, 19-21
Sept. 15	Synthesis of a Coordination Compound	113-120
Sept. 22	Redox Titration of Oxalate with Permanganate	121-127
Sept. 29	Photoreaction of an Iron (III) Coordination Compound	131-136
Oct. 6	Chemical Interactions	Web Site
Oct. 13	Columbus Day – No Labs This Week	-----
Oct. 20	Gases and the Empirical Gas Laws	Web Site
Oct. 27	Absorption Spectroscopy	37-48
Nov. 3	VSEPR Theory and Molecular Modeling	99-105
Nov. 10	Potentiometric Titration of Fe(II) with Ce(IV)	Handout
Nov. 17	Kinetics--Graphical Determination of Reactant Order	Handout
Nov. 24	Thanksgiving Break – No Labs This Week	-----
Dec. 1	Clean up and Check out	

THERE ARE NO MAKE-UP LABS IN CHEMISTRY 251. In the event of an unavoidable absence, the instructor must be notified as soon as possible to obtain approval for attending another lab section. If no prior notice of the absence is given to the instructor, then a grade of zero will be given for the missed lab. A student cannot receive a passing grade in this course unless at least ten of the lab sessions are attended and satisfactory reports handed in on time. Attending a lab session and not performing the experiment does not constitute completing an experiment. Dry-labbing (analyzing data that you did not collect) is an honor code violation and will be dealt with accordingly.

ATTENDANCE AT THE LAST LABORATORY MEETING IS REQUIRED