CHEM 1540
UNIVERSITY CHEMISTRY LABORATORY
AUTUMN QUARTER, 2001

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T.A.'s:

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Lab Location/Times:

Section 1	Tues. Afternoon	2:00-4:50 pm	Olin222
Section 2	Wed. Afternoon	2:00-4:50 pm	Olin222
Section 3	Thurs. Afternoon	2:00-4:50 pm	Olin225
Section 101	Mon. Evening	6:00-8:50 pm	Olin225
Section 102	Tues. Evening	6:00-8:50 pm	Olin225
Section 103	Wed. Evening	6:00-8:50 pm	Olin225

- You are required to do *EVERY* lab, if you miss your section you must make it up in the same week the lab is offered.
- If you cannot make your scheduled lab time you *MUST* get permission from your Teaching Assistant before changing.
- Reports are due one week from the scheduled finish of the experiment. **A penalty of 10% per day will be charged for late labs.**

Reports: The report for each experiment must be typewritten. A typical lab report should include:
- Your name and the date and title of the experiment.
- (5 points) A brief description of the objective of the experiment
- (30 points) Data Sheet
- (25 points) Calculations
- (15 points) Discussion/Conclusions
- (25 points) Post lab questions

The content and points assigned may vary for some of the experiments.

Notebooks: You will be required to have a lab notebook. This should be used to record your data and observations. While your notebook will not be

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EXPERIMENT SCHEDULE

WEEK	DATES	EXPERIMENT
1	Sept. 10-13	Check-in/Safety lecture
2	Sept. 17-20	Empirical Formula of an Oxide
3	Sept. 24-27	Atomic Emission Spectroscopy
4	Oct. 1-4	Periodic Properties of the Elements
5	Oct. 8-11	Synthesis of $[Co(NH_3)_6]Cl_3$
6	Oct. 15-18	Molecular Geometry and Bonding
7	Oct. 22-25	Gravimetric Analysis of $[Co(NH_3)_6]Cl_3$
8	Oct. 29-Nov.1	Oxidation-Reduction Reactions
9	Nov. 5-8	Enthalpy of Neutralization
10	Nov. 12-15	Checkout