15 points Discussion/Conclusion
25 points Calculations
30 points Data Sheet
5 points A brief description of the objective of the experiment
Your name and the date and title of the experiment
Label Report should include:
A report for each experiment must be typewritten. A typical experiment report is two weeks of
After the five weeks of laboratory there will be four weeks of
Reports:

Addition to any homework due for lecture.
Homework due at the beginning of the next lab. This homework is in
work sheets to be handed in before leaving. Outside of lab you will have
These are five weeks of laboratory. During lab time you will work on
Tutorials:

Penalty of 10% per day will be charged for late work.
Homework reports are due one week from the scheduled finish of the experiment.
Teaching assistant before changing.
If you cannot make your scheduled lab time you must get permission from your
You are required to do EVERY inaugural lab if you miss your section you must make it

Section 2
Thurs. Afternoon
6:00-8:50 pm
011n25

Section 3
Wed. Evening
6:00-8:50 pm
011n22

Section 5
Tue. Afternoon
2:00-4:50 pm
011n22

Mallboxes: Chemistry Department Office: 011n20, X12436

Lauren Boos (Section 3), Jeffrey Caulfield (Sections 2 and 5), and

TA's:

Phone 303-871-2990
S. C. Mudg Building, Room 253
Dr. Sheldon S. Yock

Phone 303-871-2941
011, Room 205A
Murphy

Instructor: Dr. Belsinger (Ver1) Murtagher

Autumn Quarter, 2003
General Chemistry Laboratory
Chem 1040
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Lab Reports (100 pts each)</td>
<td>400</td>
</tr>
<tr>
<td>Pre-labs (25 pts each)</td>
<td>100</td>
</tr>
<tr>
<td>Homework (25 pts ea set)</td>
<td>125</td>
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<tr>
<td>Tutorial Worksheets (75 pts each)</td>
<td>375</td>
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**Grading**

Informed: Students in the course, you must come to lab prepared and flexible. It is for your protection and the other requirement is not allowed to begin the experiment. If your prelab is not complete, you will initial it before you begin the experiment. Your Teaching Assistant will initial it coming to lab each week. Write your answers to these prelab assignments in your lab notebook. Your Teaching Assistant will review your lab before grading your lab exercise. 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 graded, you must have your Teaching Assistant initial it at the conclusion.

**Pre-labs:**

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**Notebooks:**

The content and points assigned may vary for some of the experiments.
<table>
<thead>
<tr>
<th>Task</th>
<th>Week</th>
<th>Dates</th>
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<tbody>
<tr>
<td>Checkpoint</td>
<td>10</td>
<td>Nov. 10-13</td>
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<tr>
<td>Enthalpy of Neutralization</td>
<td>9</td>
<td>Nov. 3-6</td>
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<tr>
<td>Oxidation-Reduction Reactions</td>
<td>8</td>
<td>Oct. 27-30</td>
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<tr>
<td>Crystallographic Analysis of [Co(NH3)6]Cl3</td>
<td>7</td>
<td>Oct. 20-23</td>
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<tr>
<td>Safety Lecture</td>
<td>6</td>
<td>Oct. 13-16</td>
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<tr>
<td>Molecular Geometry and Bonding</td>
<td>5</td>
<td>Oct. 6-9</td>
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<tr>
<td>Weight Relations, Limiting Reagents</td>
<td>4</td>
<td>Sept. 29-30</td>
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<tr>
<td>Formulas, Chemical Equations</td>
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<td>Oct. 2-25</td>
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<tr>
<td>Percent Composition, Empirical and Molecular</td>
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<td>Ionic Compounds, Molecular Formulas</td>
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<td>Sept. 8-11</td>
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TUTORIAL/EXPERIMENT SCHEDULE

AUTUMN QUARTER 2003
GENERAL CHEMISTRY LABORATORY
CHM 1440