PROFESSOR: Dan Schwartz
OFFICE: ECCH 112 (South side of Engineering Center)
PHONE: (303-73)5-0240
EMAIL: daniel.schwartz@colorado.edu

CLASS WEBSITE: http://www.colorado.edu/chemistry/chem1211
Information on website includes:
- Announcements
- Homework assignments
- PowerPoint lecture presentations
- Exams and solutions (including practice exams)
- Course schedule
- Posted scores
- Grading policies
- Help resources (Helproom hours, office hours, etc.)

Course Material (and approximate timeline)
Week 1: Chapter 1 – Matter and Measurement
- Chapter 2 – Atomic, Molecules and Ions
Week 2: Chapter 3 – Formulas, Equations, and Moles
Week 3: Chapter 4 – Reactions in Aqueous Solution
Week 4: Chapter 5 – Periodicity and Atomic Structure
Week 5: Chapter 6 – Ionic Bonds and Some Main-Group Chemistry
- Chapter 7 – Covalent Bonds and Molecular Structure
Week 6: Chapter 8 – Thermochemistry: Chemical Energy (including sections of Chap. 17)
Week 7: Chapter 9 – Gases: Their Properties and Behavior
Week 8: Chapter 10 – Liquids, Solids, and Phase Changes
Week 9: Chapter 11 – Solutions and Their Properties
Week 10: Chapter 12 – Chemical Kinetics
Week 11: Chapter 13 – Chemical Equilibrium
Week 12: Chapter 15 – Aqueous Equilibrium: Acids and Bases
Week 13: Chapter 16 – Applications of Aqueous Equilibrium
Week 14: Chapter 18 – Electrochemistry
Week 15: Chapter 22 – Nuclear Chemistry

Course Schedule
1/12 (M) First class
1/19 (M) No class, Martin Luther King Holiday
2/12 (Th) Exam #1, 7 - 8:30 PM, Location TBA
3/11 (Th) Exam #2, 7 - 8:30 PM, Location TBA
3/22-3/26 (M-F) No class, Spring Break
4/15 (Th) Exam #3, 7 - 8:30 PM, Location TBA
4/30 (F) Last day of class
5/5 (W) Final exam, 10:30 AM - 1:00 PM, Location TBA

Honor Code
Every student is responsible for knowing and obeying the University of Colorado honor code. You may be asked to include "The Pledge" on assignments or exams. In this class, no collaboration is permitted on any work that will be submitted for a grade (e.g. quizzes, exams, lab reports, extra credit) unless it is specifically authorized for a particular assignment. Only programs that have been approved by the instructor may be programmed into your calculator for a quiz or exam.

The CU student pledge is as follows:
"On my honor, as a University of Colorado at Boulder student, I have neither given nor received unauthorized assistance on this work."
Grade calculation

Grade elements

- **Quizzes (10 points each):** one or two problems (or parts of problems) taken verbatim from the assigned list. Quizzes will be given during your laboratory recitation each week. Your ten best quiz scores will be kept.
- **Exams (120 points each):** there are three of these throughout the semester.
- **Final exam (240 points):** if you do better on the final exam than on your lowest scoring exam, the low exam score will be dropped and replaced by the equivalent of your final exam score.
- **Lab grade (300 points):** this will be determined by your performance in the lab and the quality of your lab reports.
- **Clicker points (100 points):** H-ITT remote transmitters ("clickers") will be used to answer ConcepTest questions during class each day. If you do not have a clicker you should purchase one and register it at the clicker registration website (http://capa.colorado.edu/cgi-bin/RegisterAFS). A correct answer is worth 3 points and an incorrect answer is worth one point. Your score for each class will be converted to a percentage, and your daily percentage scores will be averaged after dropping the lowest 5 values.

Raw final score formula

The raw score breaks down as follows:

<table>
<thead>
<tr>
<th>Grade element</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>100</td>
</tr>
<tr>
<td>Exam Total</td>
<td>600</td>
</tr>
<tr>
<td>Lab</td>
<td>300</td>
</tr>
<tr>
<td>Total</td>
<td>1000</td>
</tr>
</tbody>
</table>

Your "Exam Total" will be computed as follows:

- A raw exam total will be calculated by adding your exam and final exam scores.
- If your final exam score is better than your lowest exam score (on a percentage basis), that low exam score will be dropped and replaced by the equivalent of your final exam score.
- Your exam average will be calculated as 100*(raw exam total)/600.
- If your clicker average is better than your exam average, the exam total will be calculated as 5*(exam average) + (clicker average).
- Otherwise the exam total will be simply equal to 6*(exam average).

Final letter grade

The raw scores (out of 1000) will be converted into letter grades using the scale below. Note that plusses and minuses will be assigned within these ranges.

<table>
<thead>
<tr>
<th>Raw score range</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>greater than or equal to 820</td>
<td>A</td>
</tr>
<tr>
<td>greater than or equal to 700 but less than 820</td>
<td>B</td>
</tr>
<tr>
<td>greater than or equal to 600 but less than 700</td>
<td>C</td>
</tr>
<tr>
<td>greater than or equal to 500 but less than 600</td>
<td>D</td>
</tr>
<tr>
<td>less than 500</td>
<td>F</td>
</tr>
</tbody>
</table>

Plus and minus grades will be assigned within these ranges.

Re-grades

Administrative details:

- A request for a regrade must be submitted within one week of the date that the solutions are posted or a graded assignment (quiz, lab report, etc.) is returned to you.
- You may request a regrade only once per exam or assignment.
- To avoid confusion, please submit a brief written regrade request that explains the rationale for the regrade.

Grounds for regrades:

- Arithmetic errors (in adding up scores) or multiple choice grading mistakes.
- Requests for increase of partial credit are discouraged.

Make-ups / schedule conflicts

There will be no make-up exams or quizzes. The lowest three quiz grades will automatically be dropped and a missed exam will automatically be replaced by your final exam score. If you are aware of a legitimate schedule conflict in advance, you must request an alternate quiz or exam time and date from the instructor. In general, this will be before the class takes the quiz or exam, i.e. the person receiving special treatment will not have the advantage of additional time to study.