

Spring 2012 Lab Schedule for Chemistry 101  
TTh Labs

|  |   |
|--|---|
| 2/7<br>Safety, Check-in                                  | 2/9<br><i>Writing Assignments</i>                             |
| 2/14<br><i>Isotope Exercise</i> (no pre-lab, no report)  | 2/16 (No Report)<br>Exp 1. <i>Measurements</i>                |
| 2/21<br>Exp 2. <i>Density</i> part 1                     | 2/23<br>Exp 2. <i>Density</i> part 2                          |
| 2/28 (No Report)<br>Exp 3. <i>Avodagro's Number</i>      | 3/1<br>Exp 4. <i>Limiting Reactant</i> part 1                 |
| 3/6<br>Exp 4. <i>Limiting Reactant</i> part 2            | 3/8<br>Exp 5. <i>Aspirin Synthesis</i> part 1                 |
| 3/13<br>Exp 5. <i>Aspirin Synthesis</i> part 2           | 3/15<br>Exp 5. <i>Aspirin Synthesis</i> part 3                |
| 3/20<br>Exp 5. <i>Aspirin Synthesis</i> part 4           | 3/20 (No Report)<br>Exp 6. <i>Ionic Reactions</i> part 1      |
| 3/27 (No Report)<br>Exp 6. <i>Ionic Reactions</i> part 2 | 3/29<br>Exp 7. <i>Acid-Base Titrations</i> part 1             |
| 4/3<br><b>Spring Break</b> – (no school)                 | 4/5<br><b>Spring Break</b> – (no school)                      |
| 4/10<br>Exp 7. <i>Acid-Base Titrations</i> part 2        | 4/12<br>Exp 7. <i>Acid-Base Titrations</i> part 3             |
| 4/17<br>Exp 7. <i>Acid-Base Titrations</i> part 4        | 4/19<br>Exp 8. <i>Redox Titrations</i> part 1                 |
| 4/24<br>Exp 8. <i>Redox Titrations</i> part 2            | 4/26 (No Report)<br>Exp 9. <i>Molar Mass by Vapor Density</i> |
| 5/1<br>Exp 10. <i>Thermochemistry</i> part 1             | 5/3<br>Exp 10. <i>Thermochemistry</i> part 2                  |
| 5/8<br>Exp 10. <i>Thermochemistry</i> part 3             | 5/10<br>Exp 10. <i>Thermochemistry – Excel Plots</i>          |
| 5/15 (No Report)<br>Exp 11. <i>Crystal Structures</i>    | 5/17<br>Exp 12. <i>Freezing Points</i>                        |
| 5/22<br>Extra Credit – Accreditation Assessment          | 5/24<br>Lab Check-Out   |

The lab is worth 200 points. To get the total points for lab, sum up all the points earned in lab and divide by the total possible points and multiply this number by 200.

### Lab Grading

|                    |                           |                     |        |
|--------------------|---------------------------|---------------------|--------|
| Attendance/Safety  | 5 pts per day             | Isotope Exercise    | 20 pts |
| Pre-lab            | 5 pts for each experiment | Flow-Chart Exercise | 5 pts  |
| Data               | 5 pts for each experiment | Procedure Writing   | 5 pts  |
| Lab Report (typed) | 15 pts for each           | Lab Clean-up        | 20 pts |

A copy of the pre-labs and data are to be turned in at the conclusion of each experiment. Lab reports are due one week after completion of the experiment. Late reports will lose points.

*Extra Credit (Student Learning Outcomes) – Accreditation assessment exam is a comprehensive multiple choice exam worth a maximum of 10 pts.*