

## Chemistry 2 – General Chemistry Laboratory

### Spring Semester 2011 Schedule\*

### Room G3 Schrenk Hall

Monday 2:00-5:00pm – Sections A1, A2, B1, B2  
 Tuesday 8:00-11:00am – Sections C1, C2  
 Tuesday 2:00-5:00pm – Sections E1, E2  
 Wednesday 2:00-5:00pm – Sections G1, G2, H1, H2  
 Thursday 2:00-5:00pm – Sections J1, J2

**Students: Please read this carefully. Keep this sheet for reference.**

| Lab Date                | Experiment  | Page #         | Due Date              |
|-------------------------|---|----------------|-----------------------|
| Jan. 10,11,12,13        | 1. Safety / Check-In / MSDS /   | 1-14 & Handout | Jan. 24,25,26,27      |
|                         | 2. Graphing   | Handout        | Jan. 24,25,26,27      |
| <b>Jan. 17,18,19,20</b> | <b>NO LAB – Martin Luther King Jr. Birthday Week</b>                    |                | <b>N / A</b>          |
|                         | <b>Homework: Dimensional Analysis Problem Set #1</b>                    | 15-24          | Jan. 24,25,26,27      |
|                         | <b>&amp; Significant Figure Problem Set #1 &amp; #2</b>                 | 33-50          | Jan. 24,25,26,27      |
| Jan. 24,25,26,27        | 3. Zinc & Statistics  | 53-72          | Jan. 31 – Feb. 8,9,10 |
|                         | & Nomenclature Review   | Handout        | Jan. 31 – Feb. 8,9,10 |
| Jan. 31 – Feb. 8,9,10   | 4. Empirical Formula & DA #2&3  | 73-86, 24-28   | Feb. 14,15,16,17      |
| Feb. 14,15,16,17        | 5. Mystery of 13 Test Tubes   | 109-122        | Feb. 28 – Mar. 1,2,3  |
|                         | & Redox Review  | Handout        | Feb. 28 – Mar. 1,2,3  |
| <b>Feb. 21,22,23,24</b> | <b>Mid-Term Exam (Covers Labs 1-5, DA &amp; Sig Figs, MSDS, Safety)</b> |                | <b>N / A</b>          |
| Feb. 28 – Mar. 1,2,3    | 6. Ternary Mixture  | 87-108         | Mar. 14,15,16,17      |
| <b>Mar. 7-10</b>        | <b>NO LAB – Spring Recess</b>   | ---            | <b>N / A</b>          |
| Mar. 14,15,16,17        | 7. Radiochemistry & Nuclear Decay                                       | 19-32          | Mar. 21,22,23,24      |
| Mar. 21,22,23,24        | 8. Heat of Neutralization ***   | 1-18           | Apr. 4,5,6,7          |
| <b>Mar. 29-Apr. 1</b>   | <b>NO LAB – Spring Break</b>  | ---            | <b>N / A</b>          |
| Apr. 4,5,6,7            | 9. Antacid Analysis & DA #4&5   | 33-44, 28-34   | Apr. 11,12,13,14      |
| Apr. 11,12,13,14        | 10. Colorimetry   | 45-58          | Apr. 18,19,20,21      |
| Apr. 18,19,20,21        | 11. Gas Laws  | 71-81          | Apr. 18,19,20,21      |
| <b>Apr. 26,27,28,29</b> | <b>Final Exam (Labs 7-12, MSDS, Safety) / Check-Out</b>                 |                | <b>N / A</b>          |
| <b>May 2-5</b>          | <b>No Laboratory – Final Exam Week</b>                                  | ---            | <b>N / A</b>          |

\***Chem 4:** Students who have NOT already passed and received credit for Chemistry 4 – Introduction to Laboratory Safety and Hazardous Materials, are required to take and pass Chem 4 at the beginning of the semester. However, do NOT wait for completion of Chem 4 before attending the above scheduled Chem 2 labs.

\***Chem 1:** Students must have previously taken or be concurrently enrolled in Chem 1 in order to take Chem 2. If at any point you decide to drop Chem 1, you need to contact Dr. Bolon prior to having your Chem 1 instructor sign your paperwork.

\*\*\***Lab Packet:** Lab Packets must be purchased prior to the **Radiochemistry & Nuclear Decay** experiment. They may be purchased for **\$10.00** from the Chemistry Office – Room 142 Schrenk Hall. *(They are available now.)*

**Safety Goggles (ANSI Z87.1):** According to the laws of the State of Missouri, **safety goggles must be worn at all times** while working in the laboratory. Failure to wear safety goggles while in the laboratory may result in your removal from the laboratory. Students *must* obtain appropriate safety goggles prior to the first lab (January 24-27, 2011) and bring them to that lab and all subsequent labs.

**Appropriate Attire:** You must have **closed-toe shoes**. You must wear **long pants** or long skirts or wear a lab apron.

**Chem 2 Information** is available at the following website: <http://web.mst.edu/~tbone/Subjects/TBone/Chem2.html>