

**Syllabus**  
**Chemistry 1215**  
**Summer 2013**

Instructor: David Thomas      Mailbox: 1504 HEB  
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Office Hours: Tuesday 9:00 am – 10:00 am  
                  Thursday 12:30 pm – 1:30 pm  
Also, any time I'm around the labs and am not otherwise disposed, feel free to stop me and ask any questions. Additionally, you can email me to set up a time to meet.

Secretary:    Ms. Connie Gorton, 2170 HEB, 801-581-5074.  
                  Office hours: 8am – 5pm

Teaching Assistants: Office hours will be posted on the door of Rm. 1316 where all TA office hours are held.

Lab Lectures: Monday 1:30 - 2:30 pm in Room 2004 (You will need to obtain a clicker response unit for lecture if you do not already have one).

Required Materials: You must obtain a copy of the chemistry 1215 lab manual Experiments in General Chemistry Featuring MeasureNet® from the University Bookstore, 2<sup>nd</sup> ed. You must have a non-programmable scientific calculator and know how to use it. *Programmable calculators, cell phones, or other electronic devices capable of storing large amounts of alphanumeric data or of communication may not be used during exams in General Chemistry courses.* Goggles and a combination lock are required in this course. You can purchase goggles at the student store. We have some combination locks, which can be checked out and used for the semester. However, we may run out. Clicker response units are also required for the lab lecture.

Preparation for the Laboratory:

1. For your safety, ***never*** bring food or beverages into the lab.
2. Always dress correctly. *Shorts, miniskirts, bare midriffs, and sandals are not permitted.* If you generally wear shorts and sandals, keep a pair of long pants and closed shoes in your lab locker. Confine long hair. *Students who do not have long pants or have bare midriffs or who are not wearing closed shoes **will not be allowed to participate** in that week's experiment. If you are excluded from lab because of being improperly dressed that **WILL count as a missed lab.***

3. Eye protection is always required. You can purchase approved (ANSI Z87.1) safety goggles or glasses at the University bookstore or a hardware store. Repeated failure to wear goggles will result in a student being excluded from lab and receiving a zero for the experiment.
4. You will also need to bring a combination (not key) lock. You may want to bring a lab coat or apron to protect fashionable clothing.
5. Purchase the laboratory text at the University bookstore.
6. Before coming to the laboratory, read the experiment carefully, and complete the online pre-lab quiz. Prepare the appropriate data tables in which to collect your data in your laboratory notebook.
7. Arrive at the lab on time! If you are more than 15 minutes late to lab, you will not be allowed to “jump in” with your lab partner. You will need to start the experiment on your own or with someone else who arrived late. You are not guaranteed extra time to complete the experiment.
8. You will pick a partner the first day of lab. You will work with that person for the rest of the semester on experiments that require partners. ***The data that you will collect will be the same for both of you. However, your lab reports should not be. The work in lab is done with partners but your lab report must be done individually.***

#### *Academic Dishonesty*

*By submitting an assignment, you are representing that it is your own work and that you have followed the rules associated with the assignment. Incidents of academic misconduct (including cheating, plagiarizing, research misconduct, misrepresenting one's work, and/or inappropriately collaborating on an assignment) will be dealt with severely, in accordance with the Student Code (<http://www.admin.utah.edu/ppmanual/8/8-10.html>). A single instance of academic misconduct may result in a failing grade for the course. Multiple instances of academic misconduct may result in probation, suspension or dismissal from a program, suspension or dismissal from the University, or revocation of a degree or certificate.*

#### Lab Reports:

Lab sheets are typically found in your lab manual. All questions must be answered and any calculations that are required must also be shown. *Any plots that are needed to complete the lab report should be turned in with the report.* Plots that accompany the lab reports must be created by you in excel or a similar program and be properly labeled. Both effort and correctness will be considered in the grading of lab reports.

*Your best 9 lab reports will be used to calculate your grade. You cannot turn in a lab report for a lab that you did not attend. Lab reports must be turned in to your TA by the beginning of the following week's experiment (within 15 minutes of the lab's start time).* If you cannot attend the next week's experiment, you must make arrangements to hand in your lab report **BEFORE**

the start of that lab. Late lab reports are not accepted. **(15 points each)**

Exp. 14 P. Proposal: Must be turned in on June 11<sup>th</sup> or 12<sup>th</sup> at your normal lab time **(10 points)**

*\*You do not get to drop Procedure Proposal Scores\**

Lab Technique: Maintaining a clean lab area is essential to performing good chemistry and for general safety. You *MUST CHECK OUT* of your lab at the end of every lab period with your TA. He/She will examine your lab area to ensure it is completely clean before you leave. Once they have marked you on their checkout sheet, you will receive 2 points for that day. Failure to check out with your TA properly will result in forfeiture of those points. It is YOUR responsibility to ensure that you check out and that the TA marks you down for doing so. 9 checkouts are needed for full credit, however, if you attend 10 or all 11 labs and properly check out / clean up, you will receive the additional 2 or 4 points respectively as bonus points. **(2 points each lab)**

Pre-Lab Quizzes: You will be required to complete a pre-lab quiz. These will be online through the Canvas system and **must be complete by 11 AM the Tuesday before/of the corresponding lab.** You will have 2 attempts (each a maximum of 1 hour) to complete the quiz from the time you start. These quizzes will test your knowledge on the material which goes with the experiment you are about to perform the following week. This material is covered in the lab notebook itself, but at times you may wish to refer to the Chemistry 1210 textbook as well. *There will be no makeups for quizzes. Your best 8 quizzes will be used to calculate your grade. There is no quiz for Exp. 1 or Exp. 14, so there are 9 total quizzes.* **(5 points each)**

Safety Quiz: To be completed by Monday, May 20<sup>th</sup> (5:00 pm) This quiz is given online through the canvas system. **(5 points)**

Lab Make-Ups: ***No Lab Make-Ups will be allowed.*** Your best 9 lab reports will be used to calculate your grade.

Lab Final: The lab final will be on your last scheduled day of lab and will test your knowledge and correct implementation of techniques that you have learned throughout the semester.

*You are responsible for any information or techniques you miss when you are not at a lab and can be tested on these techniques and information during the lab final. (18 points)*

Clicker Questions: These questions will occur in lecture and require the use of a clicker response unit which may be obtained from the student store. See directions for syncing the clicker device with your name at the end of this syllabus. You must have the device synced before our second lecture on May 20th. **(24 points)**

Grading:	Exp. 14 Procedure Proposal	10 pts
	Experimental Write Ups (9 @ 15 points each)	135 pts
	Lab Technique (9 @ 2 points each)	18 pts
	Online Quizzes (8 @ 5 points each)	40 pts
	Safety Quiz	5 pts
	Lab Final	18 pts
	Clicker Questions	24 pts

Total: 

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250 pts

Bonus: Attended and Checked Out of 10 Exp +2 pts

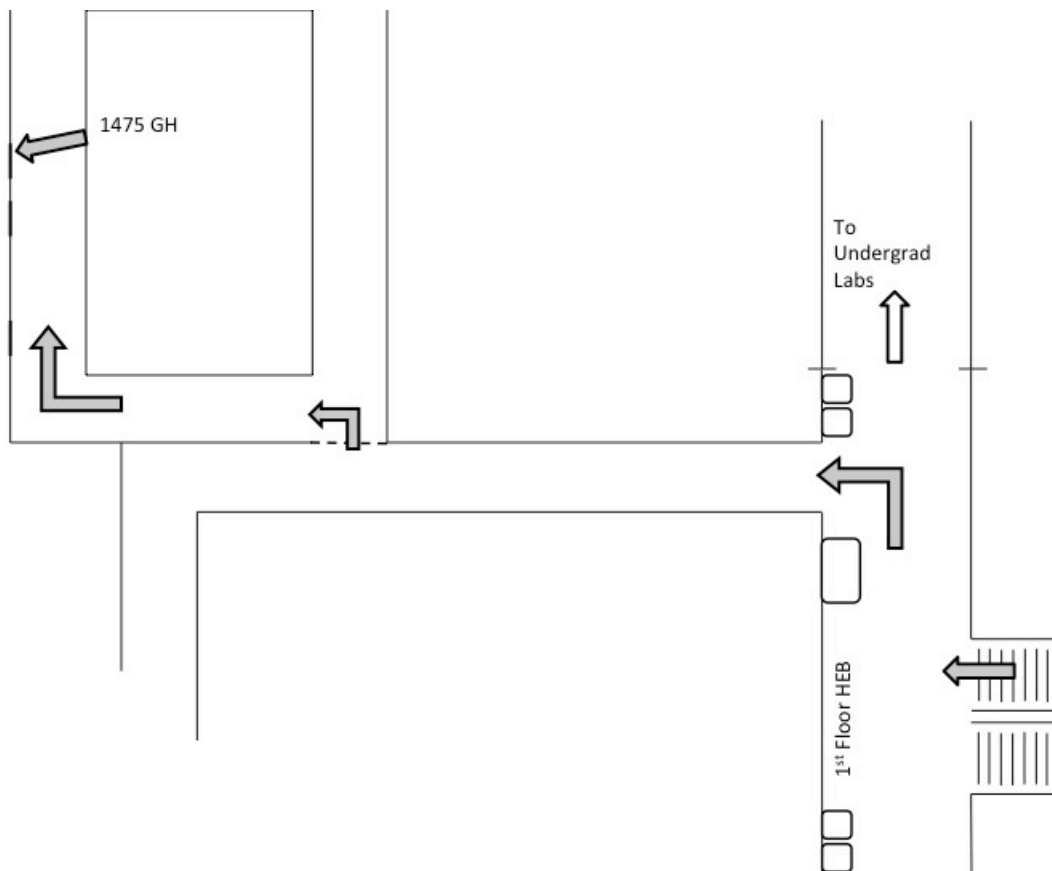
Attended and Checked Out of 11 Exp +2 pts

*\*Remember that you will lose 17 points if you miss a third lab. This includes the 15 points you lose for not doing the associated lab report and the 2 points that you lose for not checking out.\**

**\*\*You CANNOT pass the course if you miss 4 labs\*\***

*\*No special accommodations will be made for members of club sports.\**

Map of 1<sup>st</sup> Floor HEB (Arrows indicate how to find my office, 1475 GH)



Directions for registering the Response Card device with the course through Canvas:

**NOTE:** If you have already registered your device for another class THIS semester, you do NOT have to do so for this course. Once you register your device it will be synced for all of your current classes of the same semester.

1. Login to Canvas
2. Select this course (Chem 1215) from your list of courses
3. Click on “Modules” on the left-hand side of your screen
4. Click on “Clicker Registration Tool”
5. At this point you may be prompted to “Load Clicker Registration Tool in a new window.” If asked, do so by clicking on the button of the same name.
6. Enter in your ResponseCard device ID
7. Enter in the security words displayed
8. Select “Register Device”
9. A verification window will pop up. Verify that the information you entered is correct. Click “Final Submission” to register the Device ID. (Click “Cancel” if you need to start over.)

