

Instructor Name: Christina Clark

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Web Page: <http://www.cclarkchemistry.com>

Lab Downloads: <http://web.gccaz.edu/~jstewar1/CHM151LL/CHM151LLdownloads.htm>

Office Hours and Location: MW 9:00 AM – 10:00 AM & M 11:00 AM – 12:00 PM GCC Main PS103

T/TH 8:30 – 9:50 AM GCCN D 106 and by appointment

Chemistry Help Every Monday (CHEM): 9 am – 5 pm in PS-150

Section 71785 Tu 7:10 PM - 10:00 PM PS150

Section 12240 Th 1:00 - 3:50 PM North D122

COURSE REQUIREMENTS:

1. **Safety Goggles** – these may be purchased from the GCC bookstore.
2. Lab notebook – from the GCC bookstore. These must have pre-numbered pages and carbonless copies.
2. Lab experiments will be downloaded and printed **before** lab from the Chemistry Course Folders.
3. Non-programmable scientific calculator

PREPARATION FOR LAB:

Lab experiments: You must download and print the CHM 151LL laboratory experiments from the GCC Chemistry webpage. Instructions for downloading the experiments will be presented on the first day of lab. Refer to the lab schedule to determine which experiment to print. Make sure to read the experiment **before** coming to lab. Each lab will begin with a short pre-lab quiz intended to determine your preparation for that day's lab. This will be followed by a pre-lab discussion that will emphasize details of the experimental setup and technique as well as safety precautions. I will also explain theory and calculations for some of the laboratories. **Do not show up late to lab.** If you miss the quiz, you cannot make it up. If you miss ANY of the pre-lab discussion you will not be allowed to participate in that lab session and you will have to make up the lab later that week.

Course objectives and competencies for CHM 151 Lab can be found at the following link:

<http://www.maricopa.edu/curriculum/A-C/066chm151ll.html>

ATTENDANCE: Attendance is mandatory!!! A student missing **more than 2 labs** will be dropped from the course. If you are unable to attend your section, you may be allowed to attend a different lab session **during the week that the lab is scheduled**. The lab schedule is available on the door to the chemistry stockroom. (Make sure to check with the other instructor whose lab you would like to visit to see if there is space available in their lab!) Students who withdraw the lecture before or during 10th week of the semester (on or before Oct 30th) will be dropped from lab!

LAB NOTEBOOKS: It is important to keep a legible, organized notebook in science labs. Patents, lawsuits, and other legal matters require well-kept notebooks as evidence of research. Therefore, there are some rigid guidelines:

- Write in **pen**, never in pencil. Never use whiteout.
- Leave the first page or two blank for a table of contents.
- When a mistake is made simply cross it out with a single line so it is still legible and initial by the cross out mark. For example, ~~0.1503 g~~ DEL 0.1603 g.
- If an entire page is incorrect, just cross out the page with a large X and move to a clean page.
- Never tear out the original pages – the carbonless copy pages may be torn out.
- It is expected your lab notebook may become somewhat messy. Do your best to keep it organized.
- You can use your notebook during the Final Exam so write everything you deem important in it.
- You can use this same notebook for CHM 152 labs. Yeah!

STATEMENT OF STUDENT RESPONSIBILITY: You are responsible for the information contained in this syllabus. Your signature on the syllabus signature form is your agreement to the policies outlined in this syllabus. You are also responsible for abiding by college policies included in the college catalog and the student handbook. A full description can be found here: http://www.gc.maricopa.edu/catalog/student_rights.html Students will be notified by me of any changes in course requirements or policies.

LAB REPORTS: Lab reports will be due at the beginning of the next lab period (one week later). **Late lab reports:** Grades will be reduced by **10 points/day (-5 points if turned in after lab starts)**. Lab reports turned in one week late with excused documentation will be accepted for grading but the grade will be reduced by 50%.

Most lab reports will consist of the carbon copies of your data tables and calculations, where appropriate, in addition to a worksheet-style lab handout that includes in-lab questions and post-lab questions. The one exception for lab reports will be the “Limiting Reagent” lab. This lab report will consist of both the completed data collection as well as a formal lab report. More information will be provided regarding the write-up of the formal report during the week of the Limiting Reagent lab.

SPECIAL ACCOMMODATIONS: If you have any documented disabilities or special conditions that may prevent you from performing any of the laboratory experiments, please inform your instructor, at the beginning of the semester, and visit the GCC Disability Services and Resources TDS building, 623-845-3080.

FINAL EXAM: There will be a comprehensive final exam administered during the last lab period (the week before final exams) consisting of a written portion and a practical. The written portion will consist of multiple choice and calculation questions and will be worth 50% of the final exam. The practical exam will consist of about 10 stations placed around the lab requiring you to take measurements, make observations, or answer questions similar to those you’ve addressed in lab. This will count for the other 50% of your final exam grade. Make sure to keep and review your notebook, graded lab reports, and the background information from each lab to help you prepare for the final.

GRADES: See the Lab Schedule and Policies for information on how your grade will be affected if you come to lab unprepared.

- Pre-lab quizzes will count as 5% of your final grade.
- Lab Notebook grades will count as 5% of your final grade (notebooks will be graded twice during the semester: at mid-semester and at the end).
- Lab reports will count as 70%. (Each lab report (including the “Limiting Reactant” formal report) will be graded out of 100 points.)
- The final exam will count as 20% of your total lab grade. The grade breakdown for final lab grades will be determined as follows:

90 – 100 % = A 80 – 89 % = B 70 – 79 % = C 60 – 69 % = D less than 60 % = F