

Glendale Community College

Chemistry 130: Fundamental Chemistry – Spring 2010



Instructor Info: Christina Clark

Section 18938- TTh 10:00 AM – 11:15 AM GCC North D 124

Office Hours: By appointment GCCN D 106

FREE Tutoring: Wed 9:00-12:00 D 109

CHEM AT GCC FREE Help Mondays and Tuesdays 9-5 GCC Main – LS(A) 137

email: c.clark@gmail.com

Website: www.cclarkchemistry.com click on CHM 130 link

Course Description:

Elements of general chemistry adapted to the needs of students in agriculture, dental hygiene, home economics, nursing and physical education. Prepares the student for CHM151 or CHM230. Completion of CHM130LL required for the Natural Science requirement. Official course competencies and a course outline are available from the district website or from www.gc.maricopa.edu/chemistry.

Prerequisites:

Grade of “C” or better in CHM090, or MAT092, or MAT102, or satisfactory score on placement exam.

Text & Materials:

Introductory Chemistry – Concepts & Connections, 5th Edition – Charles H. Corwin
Non-programmable scientific calculator that can perform exponential and logarithmic functions.
Access to the internet and a printer for lecture notes, homework, and extra practice problems.

Attendance & Withdrawal:

Regular attendance is an absolute must. Regular attendance will be taken at the beginning of each lecture. Any student missing more than three lectures may receive a “W” or “F” for the course per GCC policy. You must be on time and stay the full period in order to receive credit for attendance. It is **your** responsibility as the student to drop the course. Don't assume your instructor will automatically drop you. Students may request the W, or the instructor may assign a W to a student for excessive absences prior to **April 2nd**, or for being a no-show (not showing up on the first day of class). Students should know that *after April 2nd they must request the W in writing or they will be given the grade of F.* If you receive financial aide, please consult an advisor before requesting a W.

Homework:

Chapter assignments are detailed on the class website www.cclarkchemistry.com. Assigned homework **MUST** be completed through BLACKBOARD (M.E.I.D. required for access) by the due dates in order to receive credit! If you are new to Blackboard, click on the New User link and follow the instructions to set-up your M.E.I.D. and password. If you have trouble, contact High Tech Center 1 or 2. The chapter homework assignments are worth 5 points and can be found under "course materials" in Blackboard. You can work on the homework as many times as you like before the due date. Your last attempt is the graded attempt. The due dates correspond with the exam schedule. Late homework will not be accepted. Chapter problems are **HIGHLY** recommended, but won't be graded. To successfully complete this course, problems and more problems must be done. In other words, **PRACTICE MAKES BETTER!**

Exams:

There are four exams and a final. The exam dates are set at the beginning of the course and will not be changed so make any work/personal plans accordingly. If you do have a conflict with an exam date, written documentation is required and only one exam can be made up **prior** to the exam date. No make-up exams will be allowed after the regularly scheduled exam. The final exam is a **REQUIRED** departmental final that is cumulative (Chapters 1-18).

Grading:

The final course grade will be evaluated based on the following:

100-90% = A 89-80% = B 79-70% = C 69-60% = D 59-0% = F

Homework	(5 points each assignment)	= 10% of your grade
Quizzes	(10 points each, low dropped)	= 20% of your grade
Exams	(100 points each)	= 50% of your grade
Final Exam	(cumulative, all MC)	= 20% of your grade

Grades can be viewed on Blackboard but final grades for the semester are available at www.my.maricopa.edu.

Additional Information:

***It is the student's responsibility to know and comply with the policies included in the GCC college catalog and student handbook (www.gc.maricopa.edu/catalog).**

***It is the student's responsibility to know the information contained in the class syllabus.**

***Special Accommodations for limitations due to disabilities can be made. Please contact the instructor and Disability Services and Resources office prior to the first exam.**

***Cell phones and pagers must be turned off during class. This is disrespectful to your fellow students as well as the instructor.**

Chemistry is a wonderful science to study and can open a world of opportunities to you. Please don't hesitate to ask questions and use the chemistry tutors and help centers to make the learning experience a bit easier. Additional help times will be posted in the PS building and on the GCC Chemistry Department website: www.gc.maricopa.edu/chemistry

Plan to study at least 2-3 hours outside of class for every hour of lecture. The best study advice I can give is to spread your time out throughout the week instead of cramming it into one day *and* find a study group.

***Strict compliance with the Glendale Community College Honor Code is required.
Anyone caught cheating will receive a zero for the grade upon first offense.
Repeat offenders will receive an "F" for the course (See GCC Student Handbook).***

ACADEMIC INTEGRITY

Submitting work as one's own which has been done either all or part by another is defined as CHEATING. Students found cheating will receive an "F" for the course.

"CHEATING" includes but is not limited to the following:

1. The possession or use of unauthorized materials such as crib notes or unauthorized copies of exam material.
2. Copying from another person's quiz or exam or allowing another person to copy one's examination material whether the exam was in class or take-home (All involved will receive a zero for all work).
3. Using a calculator or computer that contains stored information that can be used while taking a quiz or exam.
4. The possession and/or use at the students work area of a personal communications device during exams or quizzes.
5. Submitting a false report for work that was not actually done.
6. Modifying or attempting to modify an answer on an exam after it has been returned and then claiming it was graded incorrectly.
7. Using any type of electronic device to communicate answers or questions with any other individual whether enrolled or not.

The student's behavior in any interpersonal relationships with the instructor, the stockroom technician, the student workers and fellow students must be civil, mature, responsible and ethical. Rudeness, classroom disruption, offensive language of behavior, or abuse cannot be tolerated and will result in censure according to the terms of the student behavior code.

We hope that each student will support this policy and realize the importance of honesty and integrity in his or her academic effort!

Chemistry 130 TTH– Spring Schedule – 2010

This is a tentative schedule and course content may vary from this syllabus to meet the needs of this particular class.

Week	Tuesday	Thursday
1	1/19 Introduction & Syllabus Chapter 1 – Intro to Chemistry	1/21 Chapter 2 – Scientific Measurements
2	1/26 Chapter 2 – Scientific Measurements <i>Bring a scientific calculator to class</i>	1/28 Chapter 3 – The Metric System <i>Quiz I – Ch. 2</i>
3	2/2 Chapter 3 - The Metric System Start to memorize elements 1-20 (proper spelling and symbol)	2/4 Chapter 4 – Matter & Energy <i>Quiz II – Ch. 3</i>
4	2/9 Chapter 5 – Models of the Atom	2/11 Chapter 5 – Models of the Atom
5	2/16 EXAM I Chapters 1-5 & Elements 1-20	2/18 Chapter 6 – The Periodic Table
6	2/23 Chapter 7 – Naming and Formula Writing	2/25 Chapter 7 – Naming and Formula Writing Chapter 12 – Chemical Bonding <i>Quiz III – The Periodic Table</i>
7	3/2 Chapter 12 – Chemical Bonding <i>Quiz IV- Nomenclature</i>	3/4 Chapter 12 – Chemical Bonding Chapter 8 – Chemical Reactions
8	3/9 Chapter 8 – Chemical Reactions <i>Quiz V - Bonding</i>	3/11 Exam II Chapters 6-8, and 12
9	3/16 SPRING BREAK	3/18 SPRING BREAK
10	3/23 Chapter 9 – The Mole Concept <i>Quiz VI - Reactions</i>	4/25 Chapter 9 – The Mole Concept <i>Quiz VII – Mole</i>
11	3/30 Chapter 10 – Stoichiometry	4/1 Chapter 10 – Stoichiometry <i>Quiz VIII – Stoichiometry</i>
12	4/6 Chapter 11 – The Gaseous State	4/8 Chapter 13 – Liquids and Solids <i>Quiz IX - Gases</i>
13	4/13 EXAM III – Chapters 8-11	4/15 Chapter 14 - Solutions
14	4/20 Chapter 15 – Acids and Bases	4/22 Chapter 16 - Equilibrium <i>Quiz X – Solutions</i>
15	4/27 Chapter 18 - Nuclear Chemistry	4/29 Chapter 17 – Oxidation and Reduction <i>Quiz XI – Equil, Nuclear</i>
16	5/4 EXAM IV – Chapters 13-18	5/6 FINAL REVIEW
17		5/13 FINAL EXAM 10:00 AM – 11:50 AM GCCN-D124

Exam dates will *NOT* change, but content covered on the exam will fit the progress of the class.

Students will be notified by the instructor if there are any changes in the course requirements or policies.

Course content may change to fit the needs of the class.