

Glendale Community College
Fundamental Chemistry Syllabus, Fall 2009
CHM130 Section 12184 PS 149 Th 5:30-7:00 pm

Instructor: Dr. Lisa Diebolt

Office: PS 122

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My Home Page: <http://web.gccaz.edu/~ldiebolt>

Corwin Companion Site: <http://www.prenhall.com/corwin>

Blackboard Website: <https://ecourses.maricopa.edu/webapps/login/>

Office Hrs: M 1-2 pm; W 4-5 pm; R 1-2 pm, F 2-3 pm

Tutoring in PS150: Tutoring is available from 9 a.m. - 5 p.m. on Mondays.

DESCRIPTION: Fundamental Chemistry, 3 credits: Elements of general chemistry for all students. Serves to prepare the student for CHM151, or CHM230. Course content designed to meet the needs of students in such areas as agriculture, home economics, nursing, and physical education among others.

PREREQUISITES: Grade of "C" or better in CHM 090, or MAT090, or MAT 091, or MAT 092, or MAT 102, or satisfactory score on math placement exam.

COURSE COMPETENCIES: The course competencies are available online at <http://www.dist.maricopa.edu/cgi-bin/cpr.pl?trm=20056&crs=chm130&inst=99>

REQUIRED MATERIALS:

1. **TEXT:** *Introductory Chemistry: Concepts & Connections, 5th edition*, Charles H. Corwin.
2. A **basic scientific, non-programmable calculator that can display exponential notation, such as a TI-30X IIS.** (Note: graphing calculators are NOT allowed for exam taking.)

COURSE RESOURCES:

- 1) **Notes and Worksheets:** Before coming to lecture, students **must** print out the notes for the current chapter. Lecture notes will be provided in class for Chapters 1 & 2 only. The notes can be accessed from the CHM130 notes link at <http://web.gccaz.edu/~ldiebolt>
- 2) **Practice quizzes, exams and keys:** Practice quizzes, exams and keys are available from the CHM130 Practice Quizzes and Exams link on my Webpage.
- 3) **Answer Keys for Fall '09 Quizzes and Exams:** Answer keys for all exams and quizzes will be posted under course materials in Blackboard.
- 4) Marie Villarba's Website: <http://glory.gc.maricopa.edu/~mvillarba/CHM130>
- 5) The Corwin Companion Website (<http://www.prenhall.com/corwin>) has practice multiple-choice quizzes, interactive student tutorials, and math tutorials. You will need to enter the access code from your textbook to set up your username and password.

ATTENDANCE & WITHDRAWAL POLICY: Class attendance will be taken every period. If a student has more than 3 absences before October 30th, he/she will receive a "W" for the course. After Oct 30th, a student must contact me and request a grade of "W" to be withdrawn. If a student just stops attending class and fails to contact me, he/she will be assigned a grade of "F". A student must request the "W" before taking the final exam; any student who takes the final will not receive a "W" for the course.

TAPING POLICY: Audio-taping will be allowed for personal use only.

CELL-PHONE & PAGER POLICY: Cell-phones and pagers must be turned off during class.

CHEMISTRY HELP/TUTORING: Extra help is available—the Chemistry Department provides free tutoring. There will be tutors in PS150 on Mondays from 9 a.m. – 5 p.m. Tutors will also be available on other days

and times. A specialized bookmark listing office hours for all Chemistry instructors and tutoring times will be provided to you early in the semester. These chemistry help times will also be listed at <http://www.gc.maricopa.edu/chemistry>

HOMEWORK: Read the assigned chapters and work the textbook problems assigned on your class notes. The end-of-the chapter problems are not turned in for grading; the answers to the odd-numbered problems are in the Appendix of the textbook. Online homework using Blackboard will be due for most chapters – these homework sets will count as 10% of your grade. A demonstration on how to access the Blackboard homework problems will be shown in class. You can print out a copy of the homework questions from the Blackboard homework link on my Web site.

EXAMS: Four exams will be given. The lowest exam score will be dropped. No makeup exams will be given after the scheduled date.

QUIZZES: Five quizzes will be given. The lowest quiz score will be dropped. No make-up quizzes will be given after the scheduled date.

FINAL EXAM: All CHM130 students must take a GCC Chemistry Department Common Final Exam. The exam will cover all of the material presented during the semester and will consist of 65 multiple choice questions.

GRADES: Grades for individual assignments will be posted in Blackboard.

GRADING

4 Tests (drop 1)	50% of grade
5 Quizzes (drop 1)	20% of grade
1 Final	20% of grade
Blackboard Homework	10% of grade

The following grading scale applies:

A = 90-100, B = 80- 89, C = 70-79, D = 60-69, F = below 60

CHEATING POLICY: A student caught cheating will receive a “0” on the exam or quiz involved. A repeat offender will receive an “F” for the class. If you perceive that cheating is taking place during an exam, please let me know, and I will monitor the suspected area more carefully.

SPECIAL ACCOMMODATIONS: Reasonable accommodations will be made for limitations due to any disability, including learning disabilities. Students needing special accommodations during lecture or for exam taking should see me to discuss details and notify the Disability Services and Resources office, located in TDS-100. DSR phone number: (623)845-3080. DSR Webpage: <http://web.gccaz.edu/dsr/>

STUDENT RESPONSIBILITIES:

- Each student is responsible for the information contained in this syllabus.
- Each student is expected to know and comply with all the college policies included in the college catalog and the student handbook. Refer to <http://www.gc.maricopa.edu/catalog/>

DATE	CHM130 Fall 2009 Schedule
Th 8/27	Chapter 1. Introduction to Chemistry& Chapter 2. Scientific Measurements
Th 9/3	Chapter 2. Scientific Measurements & Chapter 3. The Metric System
Th 9/10	Quiz 1. Lecture: Chapter 3. The Metric System & Chapter 4. Matter and Energy
Th 9/17	Exam 1. Chapters 1-4 Lecture: Chapter 5. Models of the Atom
Th 9/24	Chapter 6. The Periodic Table& Chapter 12. Chemical Bonding
Th 10/1	Quiz 2. Lecture: Chapter 12. Chemical Bonding
Th 10/8	Quiz 3. Lecture: Chapter 7. The Language of Chemistry
Th 10/15	Exam 2. Chapters 5-7, 12 Lecture: Chapter 8. Chemical Reactions
Th 10/22	Chapter 8. Chemical Reactions & Chapter 9. The Mole Concept
Th 10/29	Quiz 4. Lecture: Chapter 9. The Mole Concept & Chapter 10. Stoichiometry
Th 11/5	Chapter 11. The Gaseous State & Chapter 13. Liquids and Solids
Th 11/12	Exam 3. Chapters 8-11 Chapter 14. Solutions
Th 11/19	Quiz 5. Lecture: Chapter 14. Solutions & Chapter 15. Acids and Bases
Th 11/26	No class. Thanksgiving break!
Th 12/3	Chapter 18. Nuclear Chemistry& Chapter 16. Chemical Equilibrium
Th 12/10	Exam 4. Chapter 13-15 & 18 Lecture: Chapter 17. Oxidation and Reduction
T 12/15	Comprehensive Final Exam. Tuesday, 12/15, at 5:30 pm-7:20 pm

Information provided in this syllabus and quiz/exam dates are subject to change. Students will be notified by the instructor of any changes in course policies or testing dates. Keep informed of any changes by attending class regularly and taking note of any announcements made in class.