

Chemistry 111: Elementary Chemistry I
Course Syllabus **Winter 2008 (flex schedule)**

Instructor: Kristi Chumney
Phone: (614) 207-2713
E-mail: kchum73@aol.com

Section: 710-72123
Lab: M 7:00 -9:50, NH 335
Lecture: T TH 7:30 - 8:50, Zoo

Texts: (1) Lord, *Laboratory Manual, Chem 111*.
(2) Bettelheim, Brown, March, *Introduction General, Organic and Biochemistry, 8th ed.*

Prerequisites: Math 102
placement into Engl 101

Supplies: scientific calculator
safety goggles, required in lab

Course Description:

An introductory course in fundamental chemistry concepts and laboratory techniques. Topics include atomic structure, periodic classification of elements, stoichiometry, solutions, pH and buffers, the gas laws, chemical equilibrium, and nuclear chemistry. This is the first course of a two quarter sequence in chemistry designed for students entering a science-related field.

Academic Assessment

Columbus State Community College is committed to assessment (measurement) of student achievement or academic outcomes. This process addresses the issues of what you need to learn in your program of study and if you are learning what you need to learn. The assessment program at Columbus State has four specific and interrelated purposes:

1. to improve student academic achievement
2. to improve teaching strategies
3. to document successes and identify opportunities for program improvement
4. to provide evidence for institutional effectiveness

In class, you are assessed and graded on your achievement of the outcomes for this course. You may also be required to participate in broader assessment activities.

Attendance and Make-Up:

- No work will be accepted late.
- **The first laboratory safety session is mandatory for all students.** See the Laboratory Safety/Attendance section for details.
- There are no make-ups or excuses for missing an exam.
- There are no make-ups or excuses for missing a lab.
- The lab must be successfully completed at a minimum of 60% in order to pass the course.

Grading:

Lab Safety	= 10 pts
14 Pre-lab / Prep assignments @ 10 pts	= 140 pts
14 Post-Lab Assignments @ 10 pts	= 140 pts
Computer Lab Activity	= 15 pts
Chemical bonding lab activity	= 25 pts
3 of 4 hour exams @ 200 pts each	= 600 pts
Final exam (cumulative)	= 200 pts

The following grade scale will be followed:

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

1125 points

Homework:

There are two homework components: Assigned and Graded. All students will be responsible for the assigned component. Those earning college credit are exempt from the graded component.

Assigned homework is made for each chapter covered. These assignments illustrate the types of problems and questions that are found on exams. Answers are in the textbook or will be given during our next class meeting. You are expected to do the assignments but they do not need to be submitted to the instructor.

The graded homework component will be turned in to the instructor for a grade. Answers to this component will not be in the text, nor will they be given by the instructor. These points are designed to replace the lab points earned for those receiving college credit.

Exams:

A total of five exams will be given. Students will have the option of dropping the lowest one of the four hour exams. If an exam is missed for any reason, that exam is dropped. Any additional missed exams receive a grade of zero. The final exam is cumulative and will not be dropped. Any student earning an the grade of "A" on each of the four hour exams may be exempt from the final exam.

While students will have the chance to review graded exams, each exam must be returned to the instructor prior to leaving class. Exams not returned will receive no credit.

Lab Policies:

The check-in and Safety Training Lab is mandatory; students who do not complete this session will not be admitted into subsequent labs. These students will have to drop the course.

Students will be dismissed from the lab for noncompliance of any safety rule, including appropriate attire, no food/drink and wearing safety goggles at all times.

Attendance is taken at each lab. Each lab must be performed at the scheduled time to receive credit.

Lab preps and prelabs are due the day that the lab is scheduled, prior to the start of the lab. Lab reports and summaries are due one week after the lab was completed.

The following lab **penalties** apply for the quarter:

Violation of any safety rule = dismissal from lab – 100%

Late for LAB (10-30 minutes) = 50%

Later than 30 minutes = no admission – 100%

Not prepared for lab (no goggles, no manual, etc.) = 50%

Computer lab requires a minimum of 1½ hours of work in order to receive any credit

Cheating:

Any form of educational dishonesty is intolerable and will be dealt with according to departmental policy.

Financial Aid Recipients:

If you receive financial aid, attendance is monitored by your instructor and is reported periodically throughout the quarter. Failure to attend may result in being withdrawn from the course. Please refer to your Standards of Satisfactory Progress or call Financial Aid at 287-2648 with any questions.

Accommodation Policy:

It is Columbus State policy to provide reasonable accommodations to students with disabilities. If you would like to request such accommodations due to physical, mental or learning disability, please contact the Department of Disability Services, 228 Franklin Hall.

Weather Days:

In the event of severe weather which would force the college to close or to cancel classes, such information will be broadcast on radio and television stations.