

Chemistry 111
Principles of Chemistry I (4 credits)
Spring 2009

Instructor: Dr. Ann M. Macintosh
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Prerequisite: A math ACT score of at least 20 or completion of Math 152 with a grade of C or above.

Corequisite: The lab is a mandatory part of this course.

Lecture: 9:10-10:10 am TuThF2

Text: Tro "Chemistry a Molecular Approach"

Required:

- 1) goggles or safety glasses
- 2) laboratory apron
- 3) laboratory manual
- 4) book-bound notebook
- 5) WebAssign (Web based electronic homework.)

The lab manuals must be purchased from the ACS Student Affiliates during Mon-Thurs. of the first week of classes. The Student Affiliates are also selling lab aprons (at below bookstore prices) and bound notebooks. Instructions for purchasing an access code for WebAssign will be distributed the second day of class.

Course Description:

An introduction to stoichiometry and chemical equations, electronic structure of atoms and molecules, periodic properties, gases, phases, equilibria and solutions, with laboratory.

Objectives:

- 1) To teach you some chemical principles and theories.
- 2) To help you acquire factual knowledge.
- 3) To improve your problem solving skills.
- 4) To improve your communication skills.
- 5) That you develop more independence in the learning process.

Attendance: Class attendance is expected. Lab attendance is required. **If you miss a lab with an excused absence, see your instructor before you leave if possible and certainly as soon as you return. Do not wait until the next time your lab meets.** If there is another lab section scheduled for that experiment and there is room in that class, you may be allowed to make up the lab in the other section. In addition, **if you miss more than 2 labs and/or fail to turn in lab reports for 3 weeks of lab work you will receive a failing grade and must repeat the course.**

Cell Phones: Please turn off cell phones during lecture and lab. If you are expecting an **emergency** phone call please speak to me before class. Text messaging during class is strictly prohibited. The use of cell phone calculators is prohibited on all quizzes and exams.

Excused Absences:

- 1) A written doctor's excuse stating that you needed to be absent **all** day.
- 2) Required attendance at a university function, with supporting documentation from the event sponsor. You should also notify me in advance.
- 3) A death in the family. If you need to be absent due to a death in the family, have the student life office send your instructors an excuse.
- 4) A reason of law-a court appearance.

If you must miss class/lab for any other reason, which you believe is valid, see me about it, before the absence, if at all possible.

General Policies:

- 1) If you have to miss an exam, please notify me in advance, if possible. You must contact me within 48 hours of a missing exam. Written documentation of the excuse must be submitted within 7 days of the absence.
- 2) If you miss an exam with an **excused** absence, I will count your final exam grade in place of that exam grade. If you miss with an unexcused absence you will receive a zero for the exam.
- 3) In order to receive a passing grade for the course, you must pass **both** the lecture and the lab portions of the class. (i.e. you need a minimum of 55% in lecture)

Academic Misconduct:

Copying of any work turned for a grade, cheating on an exam or fabrication of laboratory data are all considered academic misconduct. Any instances of academic misconduct will result in an E in the course and a report being filed with the dean of students for all parties involved.

Campus Safety Statement:

Emergency response information will be discussed in class. Students should familiarize themselves with the nearest exit routes in the event evacuation becomes necessary. You should notify your instructor at the beginning of the semester if you have special needs or will require assistance during an emergency evacuation. Students should familiarize themselves with emergency response protocols at <http://www.moreheadstate.edu/emergency>

Disabilities Statement:

In compliance with the ADA, all students with a documented disability are entitled to reasonable accommodations and services to support their academic success and safety. Though a request for services may be made at any time, services are best applied when they are requested at or before the start of the semester. To receive accommodations and services the student should immediately contact the Disability Services Coordinator in the Office of Academic and Career Services, 223 Allie Young Hall, 606-783-5188, www.moreheadstate.edu/acs/. It is the student's responsibility to inform your instructor of your needs for accommodations.

Laboratory safety:

Laboratory safety is of utmost importance in this course, so safe attire is mandatory. In particular, **APPROVED EYE PROTECTION AND A LAB APRON MUST BE WORN WHENEVER EXPERIMENTS ARE IN PROGRESS**; there are no exceptions to this rule! You should notify your lab instructor if you wear contact lenses.

Sources of help:

- 1) your instructor
- 2) your fellow students
- 3) tutors in the learning lab (208 Allie Young), you should make arrangements for a tutor in early in the semester as slots fill up fast
- 4) your textbook
- 5) the library and handbooks in LA 442

I will be available in my office during regularly scheduled office hours. In addition, I have an open door policy, feel free to ask me for help anytime that I am in my office with the door open.

Homework and Quizzes:

Electronic homework assignments from Webassign must be completed before the due date listed on the website. **Late WebAssign assignments will not be accepted.** Instructions on how to purchase a code and login to Webassign will be distributed during the first week of class. Quizzes covering the current reading assignment and/or any homework assignments since the last quiz will be given at the start of many class periods. There are no make-up quizzes, however I will drop your lowest quiz grade. If you arrive late to class you will not be allowed to take the quiz for that day.

Grading:

The final grades in this course will be calculated using the following scale:

Quizzes	7 %
WebAssign	15 %
Exams	38 %
Final Exam	15 %
Laboratory	25 %

Final letter grades will be assigned using the following scale:

85 - 100 %	A
75 - 84.9 %	B
65 - 74.9 %	C
55 - 64.9 %	D
below 55	E