

Morehead State University
College of Science & Technology; Department of Biology and Chemistry
Chemistry 101: Survey of General Chemistry (4 credits)
Fall 2010

Instructor: Dr. Ann M. Macintosh
Office: Lappin Hall Rm. 404E
Phone: 783-2926
Office Hours: MWF1 10:20-11:20 am; TuThF2 9:10-10:10 am and by appointment
E-mail: a.macintosh@moreheadstate.edu
Web page: <http://people.moreheadstate.edu/fs/a.macintosh>

Prerequisite: A math ACT score of at least 18 or completion of Math 093 (or higher) with a grade of C or above.

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

Lecture: 8:00-9:00 am TuThF2

Objectives: (assessment method(s))

- 1) To teach you some chemical principles and theories. (quizzes, hour exams and comprehensive final exam)
- 2) To be able to apply chemistry to problems in your major field. (hour exams)
- 3) To improve your problem solving skills. (hour exams)
- 4) To improve your communication skills. (lab reports)

Text: R. Bauer, J. Birk, P. Marks Introduction to Chemistry, 2nd Ed.

Required:

- 1) goggles or safety glasses
- 2) laboratory apron
- 3) laboratory manual
- 4) Webassign Electronic Homework

The lab manuals and model kits must be purchased from the ACS Student Affiliates during Mon-Thurs. of the first week of classes (~11:45-3:00 in LA 426). The Student Affiliates are also selling lab aprons at below bookstore prices.

Course Description:

A survey of chemical topics that includes atoms, molecules, mixtures, chemical reactions, subatomic particles, light and matter, stoichiometry, heats of reaction, ions, acids, bases and pH. The topics are covered in combination with case studies such as ozone layer depletion and global warming.

Cell Phones: Please turn off cell phones and pagers 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.

Attendance: Class and 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. **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.**

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 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 an exam 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.
- 2) If you miss an exam with an excused absence, I will count your final exam grade in place of that exam grade.
- 3) Late assignments will not be accepted.
- 4) In order to receive a passing grade for the course, you must pass **both** the lecture and the lab portions of the class.

Academic honesty:

Cheating, fabrication, plagiarism or helping others to commit these acts will not be tolerated. Academic dishonesty will result in severe disciplinary action including, but not limited to, failure of the student assessment item or course, and/or dismissal from MSU. If you are not sure what constitutes academic dishonesty, read *The Eagle: Student Handbook* or ask your instructor. The policy is located at <http://www.morehead-st.edu/units/studentlife/handbook/academicdishonesty.html>. For example: Copying information from the Internet is plagiarism if appropriate credit is not given.

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 (in Allie Young)
- 4) your textbook
- 5) the library

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:

You are expected to read each day's assignment prior to coming to class. Quizzes covering the current reading assignment and/ lecture material covered since the last hour exam will be given at the start of many class periods. If you miss a quiz, you will receive a zero on that quiz. If you arrive late to class you will not be allowed to take the quiz that day. There will be no make up quizzes; however I will drop your lowest quiz grade at the end of the semester. Electronic homework assignments from Webassign must be completed before the due date listed on the website. **Late electronic homework 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.

Grading:

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

Quizzes	5 %
Electronic Homework (Webassign)	15 %
Exams	40 %
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