

Morehead State University
College of Science & Technology – Department of Biology & Chemistry
Chemistry 112 - Principles of Chemistry II (4 credits)
Fall 2009

Instructor: Dr. Ann M. Macintosh
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Prerequisite: grade of “C” or better in Chem 111.

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

Lecture: 10:20-11:20 am MWF1

Text: N.J. Tro “Chemistry: A Molecular Approach”

Required:

- 1) goggles or safety glasses
- 2) laboratory apron
- 3) laboratory manual
- 4) book-bound notebook
- 5) on-line Webassign

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 on-line access code will be distributed during the first week of class.

Course Description:

An introduction to chemical equilibria, thermodynamics and kinetics, electrochemistry, and coordination compounds, with laboratory. The descriptive chemistry of selected groups of elements is introduced.

Program Competencies addressed: (method of assessment)

- 4) Write technical reports in a clear and logical way. (lab reports)
- 9) (introduced) Comprehend the major systems of nomenclature used in chemistry and know enough about the basic functional groups of inorganic and organic chemistry to have a primitive vocabulary of basic types of chemical reactions and to be able to use this to make rational chemical predictions. (exams, homework and quizzes)

Attendance: Lecture attendance is essential to your success and 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.**

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.
- 2) If you miss an exam with an excused absence, I will count your final exam grade in place of that exam grade.
- 3) In order to receive a passing grade for the course, you must pass **both** the lecture and the lab portions of the class.

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.

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>

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 426

I will be available in my office or designated classroom 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 day 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	5 %
Electronic Homework	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