

CHEM 110, Section 2
Lecturer: T. M. Gilbert

Spring, 2008
Office: 309 Faraday West

M W 6:00–7:15 pm
Office Phone: 815-753-6896

Faraday Hall 143
E-mail:tgilbert@niu.edu

<u>Week</u>	<u>Chapter</u>	<u>Topic</u>
1 1/14 1/16	Prologue 1, 2	Introduction to the Scientific Method Matter and Life; Measurements in Chemistry
2 1/21 1/23	2	No Lecture; Martin Luther King Day Holiday Measurements in Chemistry
3 1/28 1/30	3 3	Atoms and the Periodic Table Atoms and the Periodic Table
4 2/4 Tuesday, 2/5 5:00–5:50 pm, Cole Hall 100 2/6	4 4	Ionic Compounds Exam 1 covering Chapters 1–3 Ionic Compounds
5 2/11 2/13	4 5	Ionic Compounds Molecular Compounds
6 2/18 2/20	5 5	Molecular Compounds Molecular Compounds
7 2/25 2/27	6 6	Chemical Reactions: Classification and Mass Relationships Chemical Reactions: Classification and Mass Relationships
8 3/3 Tuesday, 3/4 5:00–5:50 pm, Cole Hall 100 3/5 3/10 - 3/12	6 7 7	Chemical Reactions: Classification and Mass Relationships Exam 2 covering Chapters 1–5 with emphasis on Chapters 4–5 Chemical Reactions: Energy, Rates, and Equilibrium No Lectures; Spring Break
9 3/17 3/19	7 7	Chemical Reactions: Energy, Rates, and Equilibrium Chemical Reactions: Energy, Rates, and Equilibrium
10 3/24 3/26	8 8	Gases, Liquids, Solids Gases, Liquids, Solids
11 3/31 4/2	8 8	Gases, Liquids, Solids Gases, Liquids, Solids
12 4/7 Tuesday, 4/8 5:00–5:50 pm, Cole Hall 100 4/9	9 9	Solutions Exam 3 covering Chapters 1–8 with emphasis on Chapters 6–8 Solutions
13 4/14 4/16	9 10	Solutions Acids and Bases
14 4/21 4/23	10 10	Acids and Bases Acids and Bases
15 4/28 4/30	11 11	Nuclear Chemistry Nuclear Chemistry
16 Tuesday, 5/6 6:00–7:50 pm, Cole Hall 100		Exam 5 covering Chapters 1–11 with emphasis on Chapters 9–11; Comprehensive Final Exam

INFORMATION

You should be able to get a copy of this syllabus at <http://www.chembio.niu.edu>. Follow the links given there.

Office Hours: I will hold office hours on Mondays and Wednesdays, from 11:00–11:55 am. In addition, I will generally be in my office after lecture until about 8:00 pm or so. You are welcome to come by without an appointment for class assistance during these times. If you can't make it at these times, you can make an appointment for another time. However, since I have other responsibilities, appointments will be limited. Also, I will answer short, concise questions sent by e-mail, but the turnaround time may not be instantaneous.

Text: *"Fundamentals of General Chemistry"*, by McMurry, Castellion, and Ballantine; Pearson/Prentice Hall (2006). A Student Study Guide is available, and many students will find it useful. Also recommended for those students with marginal math backgrounds is: D. M. Goldish, *"Basic Mathematics for Beginning Chemistry, 4th Edition"*, MacMillan, New York, 1990. It's usually available from Amazon.com.

Other Study Resources: The Chemistry Department maintains a tutoring room in Faraday 246 for the benefit of General Chemistry students. It is staffed from approximately 8:30 am–3:30 pm Monday–Friday. Tutoring is free for registered Chem 110 students. Names of tutors who charge for their services are available from Linda Davis in Faraday 319 (the Chemistry Department Office). In addition, the NIU ACCESS program provides further assistance with course material through its Supplemental Instruction (SI) system. Further information on this will be provided when available. Class material and exam keys will be posted on Blackboard. Details to follow.

Homework: Homework will not be assigned, collected or graded. Solving the problems at the end of each chapter, *with a time limit*, is good practice for the exams, since exam questions will be taken from the test bank coupled with the text.

Quizzes, Exams and Grades: Quizzes will be given through Blackboard, and as “pop” (unannounced) assignments during lectures. You are expected to solve these problems **without assistance**. Quizzes will be worth 100 points total.

There will be three examinations during the semester (100 points each). There will be a fourth exam during the final examination period (100 points), and a comprehensive final examination (100 points). The exams will consist of 25 multiple-choice questions, and will be scored by Scantron. Requests for scoring checks must be made within one week from the day the scores are posted on Blackboard.

The exams will be given as mass exams; that is, all students in all sections of Chem 110 will take the exam simultaneously. Because of the size of the sections, your exams will be administered in Cole Hall 100 (known as the Jameson Room), **not** in Faraday 143 (the lecture room). If you appear in Faraday 143 on exam day and attempt to take the exam there, you will be given a score of zero for that exam. There will be no exceptions to this policy!

The final grade for the course will be determined from the following possible point totals:

Best Four Scores of the Exams and Combined Quizzes	400
<u>Comprehensive Final Examination</u>	<u>100</u>
Total Possible Points	500

The lowest score of the in-semester exams or the combined quizzes will be dropped. This allows you to miss an exam if absolutely necessary, or to avoid taking the quizzes, and minimizes the effect of one poor score on the overall grade. Because of this policy, **there will be no makeup exams or quizzes. Also, no extra credit is available.**

The grading scale will be $\geq 90\%$ (≥ 450 points) = A, 80–89.9% (400–449 points) = B, 70–79.9% (350–399 points) = C, 60–69.9% (300–349 points) = D, $< 60\%$ (≤ 299 points) = F. Using this grading scale, you will be able to monitor your performance throughout the semester. **There will not be a curve!**

Academic Dishonesty (cheating): Academic dishonesty includes (but is not limited to) looking at another student's exam or quiz during a testing session, allowing another student to copy your work, and use of unauthorized materials (e.g., lecture notes, crib sheets, textbooks, prohibited electronic devices including pagers, cell phones, or programmable calculators containing stored equations, formulas, or text) during exams or quizzes. Violation of any of these terms will result in assignment of a score of zero for the exam in question. **CHEATING IN ANY FORM WILL NOT BE TOLERATED AND MAY RESULT IN FAILURE OF THE ENTIRE COURSE.**

NIU abides by Section 504 of the Rehabilitation Act of 1973, which mandates that reasonable accommodations be provided for qualified students with disabilities. If you have a disability that requires accommodations, please contact me early in the semester so that I can provide or help provide them. If you have not already done so, you must register with the Center for Access-Ability Resources (CAAR), the designated office on campus to provide services and administer exams with accommodations for students with disabilities. The CAAR office is located on the 4th floor of the University Health Services building (815-753-1303).