CH 1120
University Chemistry II
Fall, 2007

Instructor: Dr. Umme Salma
Office: Chem Sci 402D
Phone: 487-1090
Email: usalma@mtu.edu (please put "CH1120" in the subject line)
Lecture/Recitation: MWF 9:00 AM
Place: Chemical Sciences Room 101
Office hours: Friday 1:00-3:00PM & by appointment
Textbook: “Chemistry – The Central Science” by Brown, LeMay, and Bursten,
          10th edition

Tentative course outline:

Properties of solutions  Wednesday, Sept 5  Chapter 13
Chemical Kinetics    Friday, Sept 14  Chapter 14
Chemical Equilibrium Monday, Sept 24  Chapter 15
Acid-Base Equilibrium Wednesday, Oct 3  Chapter 16
Exam 1               Wednesday, Oct 10  Exam 1
                      (Material thru Oct 8)  Chapter 17
Additional Aspects of Aqueous
Equilibria           Monday, Oct 15
Chemistry of the Environment Wednesday, Oct 24  Chapter 18
Chemical Thermodynamics Friday, Nov 2  Chapter 19
Exam 2               Monday, Nov 12  Exam 2 (Material from
                      Oct 8 – Nov 9)
Electrochemistry     Wednesday, Nov 14  Chapter 20
Thanksgiving Break   Nov 17 – Nov 23
Nuclear Chemistry    Monday, Dec 3  Chapter 21
Exam 3               Wednesday, Dec 12  Exam 3 (Material from
                      Nov 9 - Dec 12)
Review              Friday, Dec 14
Final Exam           Week of December 17  Final Exam

This schedule is subject to modification. Any change will be announced in class.

Grading:

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<th>Grade</th>
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<td>A</td>
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<td>AB</td>
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<td>BC</td>
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<table>
<thead>
<tr>
<th>Exam 1</th>
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<td>Exam 2</td>
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<td>Exam 3</td>
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Practice Problems are assigned below.

Chapter 13: 1-77 (red problems)
Chapter 14: 1-79 (red problems); 34, 46, 64.
Chapter 15: 1-8; 9-55 (red problems)
Chapter 16: 1-103 (red problems)
Chapter 17: 1-71 (red problems)
Chapter 18: 1-49 (red problems)
Chapter 19: 1-79 (red problems)
Chapter 20: 1-89 (red problems)
Chapter 21: 1-63 (red problems)

Web Page
All PowerPoint slides used in this class will be available in .PDF format on the CH 1120 web page:  http://www.chemistry.mtu
http://www.chemistry.mtu.edu/pages/courses/index.php

Supplemental Instruction
The Chemistry Learning Center will offer Supplemental Instruction for CH1120, University Chemistry 2 in fall semester. SI is provided for all students who want to improve their understanding of course and improve their grades. Research indicates that students who attend the SI sessions regularly do better than those students who attend periodically or not at all. Participation in SI is voluntary, free of charge, and open to all students in this course.

Exams
Three hour exams (50 minutes each) and a final exam (60 minutes) are scheduled for the term. These will be of the multiple choice type. On the hour exams, you are allowed to use one 3X5 inch card on which you can enter any information that you do not care to memorize. Also, programmable calculators are NOT allowed in the exams. Acceptable inexpensive nonprogrammable calculators can be purchased at the MTU bookstore for about $10 to $15. The final exam is the standardized ACS Exam for Second Semester General Chemistry. It is timed, multiple choice, and no calculators are allowed.

Class Format
Class time will primarily be dedicated to lectures. Questions and comments are welcome during class. The pace is rapid, approximately one chapter every 4 class days. You are responsible for material in the text including sections that are not discussed in class. Short quizzes can be taken on occasional basis.

Class Schedule and Absence Policy
The hour exams in this class are scheduled during class hours in an attempt to minimize scheduling conflicts. An unexcused absence is an automatic zero for any exam that is missed. An excused absence may be granted by the Office of Student Affairs only. If you know that you will have an official university excused absence on a day that an exam is scheduled (university athletic event or religious holiday), you are required to make arrangements as early as possible in advance of the exam date. Other examples of excused absences granted in the past are serious illness or a death in the family. Excused
absences are not given to travel home or to attend a social event. Plan to take your exam at the scheduled time.

**Academic Integrity**
Standards of academic conduct are set forth in the University's Academic Integrity Policy, which can be found at [http://www.studentaffairs.mtu.edu/dean/judicial/policies/academic_integrity.html](http://www.studentaffairs.mtu.edu/dean/judicial/policies/academic_integrity.html). Specific violations in this course would be the intentional use of any unauthorized study aids, equipment, or another's work during an examination (cheating) or allowing/helping another individual to cheat (facilitating academic dishonesty). Possible sanctions include an academic integrity warning, an "F*" grade indicating failure due to academic dishonesty, suspension or expulsion.

MTU complies with all federal and state laws and regulations regarding discrimination, including the Americans with Disabilities Act of 1990 (ADA). If you have a disability and need a reasonable accommodation for equal access to education or services at MTU, please call Dr. Gloria Melton, Dean of Students at 487-2212.