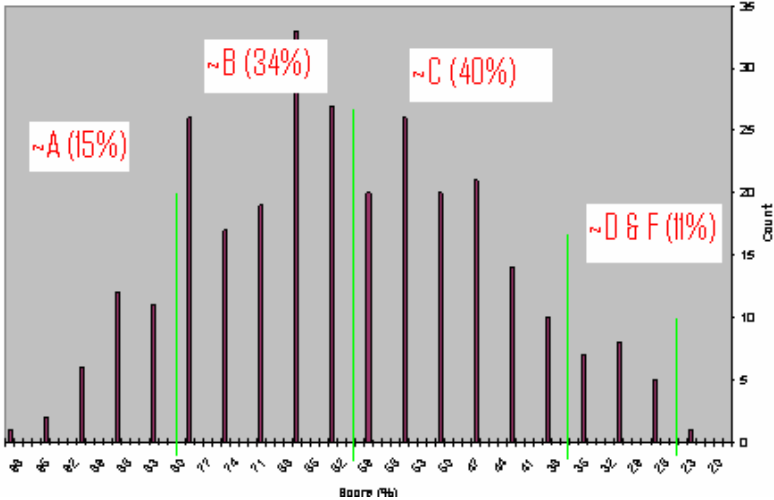


General Chemistry I (004:007): Spring 2008 (ver. 1.0)

Time & Place:	Section 00A: 08:05 – 9:20 AM; T,Th; 225 CB
Professor:	Luke Haverhals
Office:	371 CB
Phone:	353-2995
Email:	luke-haverhals@uiowa.edu
Office Hrs: (or by appointment)	T: 09:30 – 10:30 AM W: 09:00 – 10:00 AM Th: 09:30 – 10:30 AM

*****Announcements made in class will have precedence over this syllabus.*****

Chemistry Center	<p>Room: 231 CB. (Look for the sign in the hallway.) Phone Number: 335-1341 Hours: 8 – 12 and 12 – 5 M,T,W,Th & 8 – 12 and 12:30 – 4:30 F</p> <p>You do NOT need my signature. A representative of the department will handle <u>all</u> requests and paperwork relating to the course including lecture and discussion section changes, add-drop signatures, scheduling of makeup exams and other administrative matters. Complaint procedures and policies on cheating can also be obtained here.</p> <p>The Center keeps copies of class handouts and has alternate chemistry texts available for student checkout. <u>The instructors of this course will not drop students.</u> It is your responsibility to insure that all paperwork has been properly filed with the registrar's office.</p>
Corequisite	<p>General Chemistry I - Discussion Section</p> <p>Teaching Assistants will provide contact information (e-mail, phone number and office hours) during the first meeting of each individual section.</p>
Prerequisite	<p>There is no formal prerequisite for this course, but students are expected to be competent in the use and application of algebra and basic mathematical skills (see Appendix, page MR-1 in the text). Numerical analysis will be used extensively throughout the course of the semester. If you have trouble with these skills, you are encouraged to get tutoring. It is not the responsibility of the course instructor to teach math.</p>
Course Materials	<p><u>Required:</u></p> <ul style="list-style-type: none"> • <i>Introductory Chemistry</i>, Nivaldo Tro, 2nd ed. • <i>Webassign Password</i>. This is sold individually or bundled with the textbook in the bookstore in the IMU. It can also be purchased online at: http://www.webassign.net. If you purchase the password individually from the bookstore, make sure that it is intended for this class! • A basic scientific calculator with exponents, logarithms, square roots etc. <u>A basic four function calculator will not be sufficient.</u> Calculators such as the TI-30Xa are available in the IMU for less than \$15. <ul style="list-style-type: none"> ○ <u>Note that graphing and programmable calculators may not be used on exams.</u> <p><u>Optional:</u></p> <ul style="list-style-type: none"> • <i>Introductory Chemistry, Solutions Manual</i>, Nivaldo Tro, 2nd ed.
College of Liberal Arts & Sciences	<p>This course is given by the College of Liberal Arts & Sciences (CLAS). This means that class policies on matters such as requirements, grading, and sanctions for academic dishonesty are governed by the College of Liberal Arts & Sciences. Students wishing to add or drop this course after the official deadline must receive the approval of the Dean of the College of Liberal Arts & Sciences. Details of the University policy of cross enrollments may be found at: http://www.uiowa.edu/~provost/deos/crossenroll.doc.</p>
Course Website	<p>A website is available on ICON (http://icon.uiowa.edu) and has been designed as a resource to facilitate your success in this course. If you are currently enrolled in 004:007, you should be able to access the course website. If not, please alert the instructor of this course as soon as possible. This site will contain all of the information presented in this syllabus, abridged lecture notes, practice tests/study aids and announcements (including the time and location of exams, review sessions and make-up exams). In addition, you will be able to access and monitor your grades through the website. If there are important messages for the class, they will be posted on the website. However, <u>the lecture will be the primary source of information for this course.</u> You are responsible for information given during lecture so <u>pay attention and be prepared take notes!</u></p>

Lecture Notes	<p>In general, copies of lecture notes will be made available via the ICON website. Efforts will be made so that these notes are available prior to lecture, but this may not always be possible. The instructor reserves the right to amend posted material with additional information. Students should come to each lecture session prepared to take notes.</p>																						
Grading	<p>This is considered an elementary level course according to the specifications given by the College of Liberal Arts and Sciences. Accordingly, the following grade distribution recommended by CLAS will be employed:</p> <table border="1" data-bbox="678 352 922 533"> <thead> <tr> <th><u>Grade</u></th> <th><u>% of Class</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>15</td> </tr> <tr> <td>B</td> <td>34</td> </tr> <tr> <td>C</td> <td>40</td> </tr> <tr> <td>D</td> <td>8</td> </tr> <tr> <td>F</td> <td>3</td> </tr> </tbody> </table> <p>The +/- system will be employed in this course. Please note that CLAS strongly discourages instructors from assigning the A+ grade and thus, the "A" category will be roughly divided in half ("A's" and "A-'s"). Each of the other grade categories will be divided into thirds, with students falling into the upper third receiving a "+", while students that fall into the lower third will receive a "-". Additional information about the grade distribution can be found at the CLAS website: http://www.clas.uiowa.edu/faculty/teaching/grading/grade_distributions.shtml.</p>  <p>Histogram of final grades for an arbitrary class with an average score of ~60%.</p> <p>Please note that <u>your grade is based entirely on your performance in the course versus the performance of the class as a whole.</u> Consequently, it is important to monitor your grade compared to the average grade of the class. Individual scores which are higher than the class mean will likely earn a grade of an A or B, while scores that are lower than the mean will likely earn a C. Scores significantly lower than the mean will earn either a D or an F. The cumulative mean grade will shift as the population of the class changes and as additional points are accumulated. Information to help you monitor your grade and estimate your standing in the class as the course progresses will be available on the course website (ICON).</p> <p>The final grade will be a composite of your unit exam scores, a comprehensive final, discussion sections and graded homework. <u>Individual assignments or bonus work will not be given under any circumstances.</u></p> <table border="0" data-bbox="487 1570 1299 1726"> <tr> <td>Unit Exams (3 exams @ 104 points each)</td> <td>= 312 points</td> </tr> <tr> <td>Final Exam (comprehensive, 136 points)</td> <td>= 136 points</td> </tr> <tr> <td>Homework (12 assignments @ 10 pts each)</td> <td>= 120 points</td> </tr> <tr> <td>Discussion Section Quizzes (12 quizzes @ 7 pts each)</td> <td>= 84 points</td> </tr> <tr> <td>Grand Total</td> <td>= 652 points</td> </tr> </table> <p>It is the responsibility of the students to monitor their scores on ICON. <u>Scores will not be changed after being posted for 1 week!</u></p>	<u>Grade</u>	<u>% of Class</u>	A	15	B	34	C	40	D	8	F	3	Unit Exams (3 exams @ 104 points each)	= 312 points	Final Exam (comprehensive, 136 points)	= 136 points	Homework (12 assignments @ 10 pts each)	= 120 points	Discussion Section Quizzes (12 quizzes @ 7 pts each)	= 84 points	Grand Total	= 652 points
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Special Needs	<p>Students with special needs requiring modification in testing, seating, or other accommodations should take their paperwork to the Chemistry Center as soon as possible, so that appropriate arrangements can be made.</p>																						

**As noted before, the grade you earn in this course will be based on three major components:
Homework, Exams and the Discussion Sections.
Each of these components are discussed in detail below.**

<p>Homework</p>	<p>Homework will count toward your overall grade. There will be 14 assignments given during the semester, of which your lowest 2 grades will be dropped. One assignment will be given per chapter for Chapters 3-15. The final assignment will be for Chap. 16 & 17. An assignment from Chapter 2 will be posted, but will not be graded. The Chap. 2 assignment will give you practice on data entry into WebAssign. New assignments will appear in WebAssign on the 1st day of lecture for that Chapter and in general, will be due one week from that point. The homework problems will be administered using WebAssign (http://www.webassign.net), as will be detailed in lecture. Efforts will be made to announce new assignments in class and on ICON, but <u>it is the student's responsibility to monitor the WebAssign site and complete the work as it is posted.</u></p> <p>Each assignment will be worth 10 pts. Grades will be administered so that <u>any score of 9 or higher will be rounded up to 10.</u> Any score below 9 will be taken as it is when computing your final letter grade.</p> <p>No extensions will be granted. Your 2 lowest grades will be dropped to allow for illness or other reasons for not completing the assignments on time. Please note that given the amount of time allotted to complete the assignments, <u>excuses such as computer problems, conflicting exam or work schedules or confusion about the due date will not be accepted.</u></p> <p>WebAssign is entirely web based and you will need computer access in order to complete the homework for this course. If you do not have a personal computer, they are freely available in several sites around campus including the IMU and the main library.</p>
<p>Exams</p> <p>#1 Feb 18 8:00 PM MH AUD</p> <p>#2 Mar 24 8:00 PM MH AUD</p> <p>#3 Apr 21 8:00 PM MH AUD</p> <p>Final May 15 2:15 PM Room TBA</p>	<p>There will be three unit exams and a comprehensive final. The individual unit exams will cover approximately four chapters of material from the text. The final exam will be cumulative and will encompass material from each of the previous unit exams plus any additional material covered between the last exam and the end of class. An exam period of 1.5 hours has been allocated for each unit exam, while 2 hours is reserved for the final. The exam period for this course is set for Monday evenings from 8:00 – 9:30 p.m. Exam dates have been set by the department and are listed to the left and on ISIS. The final exam date & time is set by the University. Exam locations will be announced in lecture and on the website.</p> <p>You must bring a #2 pencil, a suitable calculator and your university student photo ID to the examinations. Scratch paper will be provided. As noted above, <u>programmable or graphing calculators are not allowed, and the use of these items will be viewed as cheating.</u> You must leave all books bags, and electronic devices (specifically: PDAs, cell phones, ipods or any electronic device that has either broadcast or photographic or video capability) at the front of the exam room.</p> <p>There will be one review session during the lecture period on the day of each exam. Scheduling for review sessions for the final exam will be announced in lecture. More information about the university's policy on exams can be found at the Registrar's website (http://www.registrar.uiowa.edu/exams/exampolicy.aspx).</p>
<p>Make-Up Exams</p> <p>#1 Feb 22 5:30 PM Room 225 CB</p> <p>#2 Mar 28 5:30 PM Room 225 CB</p> <p>#3 Apr 25 5:30 PM Room 225 CB</p>	<p>Students are expected to attend all regularly scheduled exams and maintain assignment deadlines. You will have the opportunity for a makeup exam if your excuse for illness, mandatory religious obligations, University activities, etc. conforms to the University policy as explained in the University Operations Manual (http://www.uiowa.edu/~our/opmanual/iv/02.htm). You must present documentation (e.g. a Doctor's note) and an Explanatory Statement of Absence, obtainable from 30 Calvin Hall, to the Chemistry Center (231 CB) within 3 calendar days of the missed event. <u>You will not be allowed to take the make-up exam if acceptable documentation has not been deposited with the Chemistry Center.</u> Instructions and the form that must be filled out can be found on the "Content" page of ICON for this course.</p> <p>The exam period has been set to be 5:30 – 7:00 p.m. on Fridays by the department of chemistry. These makeup exam dates will not be moved. It is the policy of the department that makeup exams are not returned after grading. Make-up exams may be viewed in one of the instructor's offices. Be aware that the make-up final may be given prior to the regularly scheduled final exam. Please note that wishing to leave campus early is not a valid reason to take the make-up final.</p>
<p>Discussion Sections</p>	<p>Discussion sections will meet one time per week and are intended to be a forum to discuss the material that has been covered in lecture. As part of the discussion sections, a short quiz will be given at the end of each meeting. The information on the quiz will be derived from the information covered in the previous week's</p>

	<p>lectures. Each quiz will be worth 7 points. The student will receive 7 points if they have the correct answer <u>and</u> have shown all of their work. The student will receive partial credit if they went through the process of solving the problem correctly but made a simple error and have shown their work. Otherwise, the student will receive no points. In the event that a student is caught copying or, in some other way, cheating, then they will receive no points. Please note that if the TA's cannot find or read your answer then they will not give you credit for the quiz. If you are five minutes or more late to your discussion section, you will not be allowed to take the quiz. Please note that discussion quizzes count for 84 points. Given the grading scheme employed in this course, this is more than enough to make the difference of a letter grade.</p> <p>In tabulating your grade for the discussion sections, your lowest two quiz scores will be discarded. Thus you may miss two sections without penalizing your grade. If you miss more than two sections, you will have the opportunity to make up a quiz if your excuse for illness, mandatory religious obligations, University activities, etc. conforms to the University policy as explained in the University Operations Manual (http://www.uiowa.edu/~our/opmanual/iv/02.htm). You must present documentation (e.g. a Doctor's note) and an Explanatory Statement of Absence, obtainable from 30 Calvin Hall, to the Chemistry Center (231 CB) within 3 calendar days of the missed event.</p> <p>As a consequence of the high enrollment of this class, you may not attend other discussion sections.</p> <p>KEEP YOUR RECEIPTS. It is recommended that you keep all graded and returned material from the discussion sections until the end of the semester so that errors in the gradebook can be corrected. At the end of the semester your cumulative total points will be posted to the ICON website. This will be followed by a letter grade prior to final grades being submitted to the registrar's office. The TA's affiliated with this course are responsible for posting all grades associated with your discussion sections. In the event of any problems including computational errors or missing grades you should talk first to your TA. If the problem remains unresolved, then you should consult one of the instructors of this course.</p> <p>Discussion sections will meet during the first week of classes.</p>
<p>Additional Assistance</p> <p>Office Hours</p> <p>eMail</p> <p>Tutoring</p>	<p>Students are strongly encouraged to seek assistance with any questions or problems that they are having with material covered in this course. The instructors will keep office hours as detailed on the first page of this syllabus. <u>You do not need an appointment to stop by during my office hours.</u> Further, the office hours listed for the instructors are for the entire class. You may go to an instructor even if they are not lecturing to your section. If you are unable to make office hours, you may request an appointment.</p> <p>Questions may also be submitted by e-mail. However, given the large number of students in this course, it may not be possible for the instructor to provide an immediate response to your message. If the instructor receives multiple questions on the same topic, then it is likely that a response will be given in lecture rather than individually by e-mail. If an e-mail refers to something that requires an immediate response, you should note this in the subject line. In all cases, it is important that any e-mail include the course number ("004:007") in the subject line.</p> <p>In addition to office hours, the department of chemistry provides free tutoring from TA's Monday – Friday from 8:00 am – 4:30 pm in room 243 CB. If you would like more specific help, a list of private tutors, which are generally not free, may be available from the Chemistry Center.</p>
Academic Misconduct	<p>Cheating is discussed in the <i>College of Liberal Arts and Sciences Student Handbook</i> (http://www.clas.uiowa.edu/students/academic_handbook/ii.shtml). Cheating will not be tolerated in this course. If you are suspected of cheating, you will be notified in writing. In such cases, the academic misconduct policy will be followed with penalties that can include an F in the course or expulsion from the university. See the CLAS handbook for further details. It is the student's responsibility to remain above suspicion.</p>
Student Complaints	<p>Complaints regarding the instructors or any of the teaching assistants should follow the procedure for student complaints (http://www.clas.uiowa.edu/students/academic_handbook/ix.shtml). Appeals can be filed through the chemistry center in 231 CB.</p>
Understanding Sexual Harassment	<p>Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. Visit the sexual harassment awareness site at: http://www.sexualharassment.uiowa.edu/ or definitions, assistance, and the full University policy.</p>
Severe Weather	<p>If severe weather is indicated by the UI outdoor warning system (http://www.uiowa.edu/~pubsfty/siren.htm), class members will seek shelter in the innermost part of the building, if possible at the lowest level, staying clear of windows and of free-standing expanses which might prove unstable. Class will resume after the severe weather has ended.</p>