

Chemistry 1210-001

SYLLABUS

Fall Semester - 2004

Prof. Joel S. Miller

Lectures: MWF @ 7:30 am - 8:20 am Classroom: HEB 2008

Class www site: <http://www.chem.utah.edu/chemistry/faculty/miller/class/1210.htm>

OFFICE: Room HEB 2124 (Executive Secretary, Julie Newland HEB 2120)

Office Hours: M 1:00 - 2:00 pm
H 12:30 - 1:30 pm
Other times by appointment.

Telephone: 585-6311
jsmiller@chem.utah.edu

[Note: Due to Excessive Spam, You Must use your University of Utah email address as email from other addresses may not be received or Read]

(Do not send assignments or confidential information by email)

TEXT (Required): **Essentials of General Chemistry**, Ebbing, Gammon, Ragsdale

LECTURE: **The first Lecture will be held Wednesday, Aug. 25th**

DISCUSSION: **Chemistry 1210-001 Students must be registered in a Discussion Section.**

The Discussion Sections belonging to this lecture are Sections 002-007. Tuesdays and Thursdays (T/H) at times and locations listed in the Class Schedule. The first Discussion class will be held Thursday (H), August 26th.

Lectures and Discussions will not meet during the Labor Day (Sept. 5th), Fall (Oct. 6th and 7th) and Thanksgiving Breaks (Nov. 24th and 25th)

LABORATORY: All students should be taking Chemistry Lab 1230. This laboratory class is separate from Chemistry 1210 with respect to grading.

General Information

This is a first semester class in General Chemistry for Science Majors. We will cover the first 13 chapters of the text. You should also be enrolled in the laboratory course CHEM 1230. College Algebra is a recommended prerequisite. If you have not taken High School Chemistry, you may wish to consider CHEM 1200 prior to enrolling in this course.

Key to success in this course is attending the lectures. While attendance will not be taken, you will be responsible for everything mentioned in class, including, for example, announcements, exam-date changes, etc. Learning how to solve problems in general chemistry is the main focus of the TA-led discussions, and quizzes will be given during the Discussion section.

You are responsible to read and understand all information provided herein. The text assignment should be *read before the lecture*. *Problem assignments are due at the discussion section* on the day noted in the syllabus. It is essential that you *execute your responsibility to attend all classes and all discussion* and to be aware of all assignments noted in this syllabus and modifications to the assignments announced in either lecture and/or discussion classes.

The General Chemistry Faculty at the University of Utah have agreed that programmable calculators or other electronic devices capable of storing alphanumeric data are **not** to be used on exams in General Chemistry courses. Appropriate, inexpensive (\$10 to \$20) scientific calculators are available at the University Bookstore and other retail outlets. Inappropriate calculators will be confiscated during examinations and hence you will not have a calculator to use during the exam. You are responsible to see me to verify if the calculator or equivalent can be used during an exam.

In the past, approximately 15 - 20% A's, 20 - 25 % B's and 50 % C's have been awarded in general chemistry classes (Chem 1210 & 1220) at Utah. **These grades are based on the performance of the students in the class and may and will vary.** Each

semester the faculty teaching general chemistry courses will meet to discuss and refine grade cut-offs for all sections of a given course.

Subject to changes in the official University of Utah Calendar, students may drop (delete) any class without penalty during the first week of the term. The last day to drop a class without tuition penalties is Friday, Sept 3rd.* Starting with the 11th calendar day of the semester, a "W" grade will be recorded on the academic record and applicable fees will be charged for the course. Thus, if you do not want to be charged for the course you must drop during the first ten days of the semester. You do NOT need the instructor's signature to withdraw. After October 22nd a student must petition for withdrawal to the Dean's office of their academic college. University policy states that withdrawals after this date should only be granted for "non-academic reasons beyond the student's control." "I want to avoid a bad grade" or similar does not qualify. Students must decide on or before Friday, October 22nd.

Cellular telephones, pagers etc. must be turned off during all lectures, discussion sections, and examinations. If your phone rings during an exam, you will be dismissed immediately.

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Olpin Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.

All written information in this course can be made available in alternative format with prior notification to the Center for Disability Services.

* The dates given herein may change, and you must consult the official University of Utah calendar.

Examination Regrading Policy

Legitimate questions about the grading of an exam (either the grading of a particular problem or an addition error in the score) can be submitted up to one week after the exam is handed back in your discussion class. The procedure for handing back an exam for regrade is to attach a separate piece of paper to the front of the exam with your name, your student ID number, the number of the question(s) to be regraded, and a clear, brief justification for the regrade. This is to be submitted to me (HEB 2124) or to my secretary (HEB 2120) - not your TA.

Do not write on the exam itself or I may choose not to accept it for a regrade. Trivial resubmissions are strongly discouraged and may result in the entire exam being regraded. Anyone caught turning in an altered exam for additional credit will be promptly referred to the Dean's Office and be given a Grade of 'E.'

Incidents of academic dishonesty will be dealt with severely. Anyone caught cheating on an exam will be referred to the Dean for immediate disciplinary action and should expect to receive an 'E' in the course. A typical way to cheat is to alter an incorrect question on a graded exam and then hand it back to be regraded. To monitor this problem, a certain proportion of all exams will be photocopied, and exams handed back for regrade will be compared to these. Additionally, a letter detailing the cheating incident will be put in the student's permanent academic file.

Exams will be handed back in your discussion class. Your Final exam will available from my secretary on December 20th. In order to receive it you must display a photo identification card. To receive your grade by mail, please supply an addressed, stamped post card or envelope by December 14th.

Grading

In grading this course, the following weights are assigned to the various components:

All examinations will be held in the Lecture Room HEB 2008

1 st Hour Exam, Friday, Sept. 17 th , 7:15 am	125 pts#
2 nd Hour Exam, Monday, Oct. 25 th , 7:15 am	125 pts#
3 rd Hour Exam, Monday, Nov. 29 th , 7:15 am	125 pts#
Final Exam, Tuesday, Dec 14 th , 8:00 -10:00 am	250 pts#

Total Possible Exam Points: 625 pts

Possible Number of Discussion Points 125 pts*•

Total Possible Points 750 pts

There will not be any make-up examinations! *If you are ill or have an emergency that may cause you to miss an exam, contact me **prior** to the examination, not afterwards.* If you miss an exam for a legitimate reason, you will be given the average of the final and other two mid semester exam grades, normalized for 125 points, for that exam you missed. Documentation (a Doctor's letter, etc.) is required needed to verify a legitimate excuse. You cannot pass the course if you miss more than one exam or miss the Final examination.

* All discussion class points will be normalized. Points for individual discussion classes may be raised or lowered depending on the "toughness" or "easiness" of the TA and on the performance of each section.

• Problems that have been assigned from the textbook should be solved in a bound notebook that is used for this purpose only. These problems should be attempted before going to the discussion class. The notebook should be taken each time to the discussion class.

FINAL GRADE:

The final grades will be derived from a curve based on the potential total of 750 points attainable in this class.

TENTATIVE ASSIGNMENTS

Chemistry 1210-001 Fall, 2004

Prof. Joel S. Miller

Date	Day	Ch	Text Assignment	Assigned Problems (Discussion Section)
Aug 25	W	1	1.1 - 1.3	
26	H	1	-	<i>Ch 1: 2, 4, 5, 7, 11, 12, 15, 16</i>
27	F	1	1.4 - 1.6	
30	M	1	1.7 - 1.8	
31	T	1	-	<i>Ch 1: 20, 24, 32, 36, 50, 57, 66, 74,90</i>
Sept 1	W	2	2.1 - 2.4	
2	H	2	-	<i>Ch 2: 2, 8, 13, 16, 17, 18</i>
3	F	2	2.5 - 2.7	
6	M	-	Labor Day	No Class
7	T	2	-	<i>Ch 2: 34, 38, 46, 48, 58</i>
8	W	2	2.8 - 2.10	
9	H	2	-	<i>Ch 2: 64, 72, 74, 77, 80, 87</i>
10	F	3	3.2 - 3.4	
13	M	3	3.6 - 3.6	
14	T	3	-	<i>Ch 3: 3, 5, 7, 9, 14, 21, 24, 34</i>
15	W	3	3.7 - 3.8	
16	H	1-3	-	<i>Ch 3: 42, 56, 65, 70, 73, 79 + Review</i>
17	F	1-3	1st	Mid-Term Exam: Chapters 1 - 3
20	M	4	4.1 - 4.2	
21	T	4	-	<i>Ch 4: 1, 3, 5, 7, 9, 14, 16, 18</i>
22	W	4	4.3 - 4.4	
23	H	4	-	<i>Ch 4: 36, 38, 42, 54, 58</i>
24	F	4	4.5	
27	M	4	4.6 - 4.10	
28	T	4	-	<i>Ch 4: 67, 70, 73, 75, 77</i>
29	W	4	5.1 - 5.2	
30	H	5	-	<i>Ch 5: 1, 4, 5, 9, 17, 20, 26, 27, 38</i>
Oct 1	F	5	5.3 - 5.5	
4	M	5	5.6 - 5.8	
5	T	5	-	<i>Ch 5: 46, 50, 62, 72, 78</i>
6	W	6	6.1 - 6.3	
7	H	-	Fall Break	No Class
8	F	-	Fall Break	No Class
11	M	6	6.4 - 6.6	
12	T	6	-	<i>Ch 6: 4, 6, 7, 8, 13, 14, 19, 31,34</i>
13	W	6	6.7 - 6.9	
14	H	6	-	<i>Ch 6: 36, 44, 63, 67, 72, 80</i>
15	F	7	7.1 - 7.3	

	18	M	7	7.4 - 7.5	
	19	T	7	-	Ch 7: 2, 3, 4, 8, 10, 12, 44, 46, 50, 57, 64
	20	W	8	8.1 - 8.2	
	21	H	8	-	Ch 8: 3, 6, 9, 11, 12 + Review
	22	F	8	8.3 - 8.4	
	25	M	4-8.2	2nd	Mid-Term Exam: Chapters 4 - 8.2
	26	T	8	-	Ch 8: 24, 28, 45
	27	W	8	8.5 - 8.7	
	28	H	8	-	Ch 8: 47, 49, 55, 61, 65
	29	F	9	9.1 - 9.2	
Nov	1	M	9	9.3 - 9.5	
	2	T	9	-	Ch 9: 2, 5, 8, 10, 13, 17, 20
	3	W	9	9.6 - 9.8	
	4	H	9	-	Ch 9: 38, 41, 48, 64, 68, 72, 75
	5	F	9	9.9 - 9.11	
	8	M	9	10.1	
	9	T	9	-	Ch 10: 2, 4, 6, 9, 11, 13, 15
	10	W	10	10.2 - 10.3	
	11	H	10	-	Ch 10: 20, 26, 30, 43, 47, 51, 54
	12	F	10	10.4 - 10.6	
	15	M	11	11.1 - 11.3	
	16	T	11	-	Ch 11: 3, 4, 9, 11, 16, 19
	17	W	11	11.4	
	18	H	11	-	Ch 11: 22, 26, 36, 38, 44, 48
	19	F	11	11.5 - 11.6	
	22	M	12	11.7 - 11.9	
	23	T	12	-	Ch 11: 61, 63, 66, 68
	24	W	12	12.1 - 12.3	
	25	H	-	Thanks	giving No Class
	26	F	-	Thanks	giving No Class
	29	M	8.3-11	3rd	Mid-Term Exam: Chapters 8.3 - 11
	30	T	12	-	Ch 12: 1, 2, 4, 6, 7
Dec	1	W	12	12.4 - 12.5	
	2	H	12	-	Ch 12: 15, 16, 51, 53, 61, 66, 73
	3	F	12	12.6 - 12.9	
	6	M	13	13.1, 13.4	
	7	T	13	-	Ch 13: 2, 3, 12, 13, 15, 19
	8	W	13	13.5 - 13.7	
	9	H	13	-	Ch 13: 28, 44, 45, 49, 54 + Review
	10	F	1-13	Reading	Day No Class
	13	M			No Class
	14	T	1-13	Final Exam	Ch 1 - 13 8:00 to 10:00 am HEB 2008

Dec 20 M Final Exams and Final Grades Available [photo ID Required]