

**Syllabus: CHEM 1410 (Section 007)**  
General Chemistry for Science Majors  
Fall Semester 2013  
3 credit hours, lecture plus required recitation

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- Instructor:** Dr. LeGrande M. Slaughter  
Chemistry Building 307E  
565-4350  
[legrande.slaughter@unt.edu](mailto:legrande.slaughter@unt.edu)
- Lecture:** Tuesday, Thursday 8:00-9:20 am, SAGE 116
- Recitation:** You are required to enroll in one of the following recitation sections:  
Section 271: Tues 3:00-3:50 pm, CHEM 109  
Section 272: Thurs 2:00-2:50 pm, CHEM 106
- Instructor Office Hours:** Tues, Thurs 9:30-11:00 am
- SI Leaders (Supplemental Instruction)** San Nguyen ([San.Nguyen2@my.unt.edu](mailto:San.Nguyen2@my.unt.edu))  
Kathryn Davis ([davis.kat88@yahoo.com](mailto:davis.kat88@yahoo.com))  
SI Leaders will provide weekly office hours and help sessions.
- Teaching Assistants (Super TAs):** Michael Kahl ([mkahl87@gmail.com](mailto:mkahl87@gmail.com))  
Mandy Phelps ([mandy.s.phelps@gmail.com](mailto:mandy.s.phelps@gmail.com))  
The Super TAs will help with recitations and exam proctoring.
- Required Text:** *Principles of Chemistry: The Molecular Science*  
Moore, Stanitski, and Jurs (Paperback. Publisher: Brooks/Cole, 2010).  
Optional: *Student Solutions Manual for Principles of Chemistry: The Molecular Science*, Judy L. Ozment (paperback, similar cover)
- Course Web Page:** The course has a page on the UNT Blackboard system.  
Use following Web address to log in: <https://learn.unt.edu/>  
Use your EUID and password to log in.  
You can use Blackboard to access handouts, problem sets, and answer keys. You will also be able to view your grades in Blackboard.
- Prerequisites:** MATH 1100 or equivalent.
- Objectives:** This course will provide a firm foundation in chemical principles appropriate to students pursuing degrees in the natural sciences. Theoretical knowledge gained during lecture will be reinforced through interactive exercises with the instructor and TAs during recitations and office hours.

**CHEM 1410****Lecture Topics and Schedule  
(subject to adjustments)**

<b><u>Week</u></b>	<b><u>Dates</u></b>	<b><u>Chapter to be covered</u></b>
1	8/29	Chapter 1: The Nature of Chemistry
2	9/3, 9/5	Chapter 2: Atoms and Elements
3	9/10, 9/12	Chapter 3: Chemical Compounds
4	9/17 9/19	Chapter 3: Chemical Compounds <b><u>Exam #1</u></b>
5	9/24 9/26	Chapter 4: Quantities of Reactants & Products Chapter 5: Chemical Reactions
6	10/1, 10/3	Chapter 5: Chemical Reactions
7	10/8 10/10	Chapter 6: Energy and Chemical Reactions <b><u>Exam #2</u></b>
8	10/15 10/17	Chapter 6: Energy and Chemical Reactions Chapter 7: Electron Configurations & the Periodic Table
9	10/22, 10/24	Chapter 8: Covalent Bonding
10	10/29 10/31	Chapter 8: Covalent Bonding Chapter 9: Molecular Structures
11	11/5 11/7	Chapter 9: Molecular Structures <b><u>Exam #3</u></b>
12	11/12, 11/14	Chapter 10: Gases and the Atmosphere
13	11/19 11/21	Chapter 10: Gases and the Atmosphere Chapter 11: Liquids, Solids & Materials
14	11/26	<b><u>Exam #4</u></b>
15	12/3 12/5	Chapter 11: Liquids, Solids & Materials Review for Final Exam
16	12/10	<b><u>Final Exam</u></b> 8:00 – 10:00 am

## CHEM 1410

### Course Requirements and Grading Scheme

Examination #1	200 points†	Thursday, September 19
Examination #2	200 points†	Thursday, October 10
Examination #3	200 points†	Thursday, November 7
Examination #4	200 points†	Tuesday, November 26
Final Examination	400 points	Tuesday, December 10 (8:00-10:00 am)
<b>TOTAL</b>	<b>1000 points</b>	

†The lowest of your four midterm exam scores will automatically be dropped.

#### Letter Grade Scale:

A	900-1000 points
B	800-899
C	700-799
D	600-699
F	0-599

**Scope of Examinations:** There will be four midterm examinations during the semester. Examination #1 will cover material up to a cut-off point announced by the instructor. Examinations #2-4 will only cover material from the previous cut-off point to the next cut-off point. The lowest grade of Examinations #1-4 will be dropped. The final examination will be cumulative and CANNOT be dropped.

**Examination Rules:** 1) All notes, books, and other reading materials must be stored inside a bag or backpack during the exam. 2) No talking, except to ask questions of the instructor. 3) Cell phones and smart phones must be turned off. A 20 point penalty will result from cell phone distractions. 4) You may bring a calculator (any type, but you can't use a smart phone).

**Midterm Examinations:** Midterm examinations (Examinations #1-4) will be held during the regularly scheduled class period in SAGE 116. You will have 80 minutes to complete each midterm exam.

**Final Examination:** The final examination is scheduled for Tuesday, December 10 from 8:00 – 10:00 AM. The location of the final examination will be the regular lecture room (SAGE 116). You MUST take the final examination at the scheduled time. The only exception is if you have three or more examinations in one day, in which case you may request an alternate time by appealing to the Dean's office.

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**Missed Examination Policy:** There will be no make-up midterm examinations. Exams may only be missed for *valid reasons that can be documented*, such as: 1) illness or injury requiring medical attention; 2) participation in scheduled University activities requiring you to be absent from campus on the examination date; 3) religious holidays; 4) other serious reasons beyond your control for which you can provide documentation. Illness not requiring medical treatment, vacation plans, oversleeping, and social activities (including fraternity/sorority functions) are not valid reasons for missing an examination. Students must contact the instructor and provide documentation within 24 hours of the missed examination, or else they will receive a grade of “0” for the examination. If one examination is missed, it will simply be dropped. If a second exam is missed for valid reasons, your final score will be computed as  $(\text{point total}/800)*1000$  with the missed exam omitted. Students missing the Final Examination for valid, unavoidable reasons must notify the instructor of the reason for their absence by noon of the following day. In such cases, students will receive a grade of “I” (incomplete) for the course and must arrange to take a make-up examination no later than January 17, 2014. Students who fail to document their reasons for missing the examination will receive a 25% penalty on the final exam score.

**Problem Sets:** Problem sets will be assigned on a weekly basis and posted on Blackboard. These are intended to help you learn the material and will not be collected or graded. It is suggested that you try to work these problem sets individually. Some problems on the examinations will be very similar or identical to those on the problem sets, and it is important for you to learn how to work them on your own. Answers to problem sets will be posted on the CHEM 1410 Blackboard site the week after they are assigned.

**Lecture Attendance:** Although lecture attendance will not be enforced, it is strongly recommended that you attend all lectures given the large amount of material covered in this course. Experience has shown that students who regularly skip class tend to earn C’s or lower.

**Recitation:** You are expected to attend recitation weekly, although attendance is not enforced. In recitation, you will have opportunities to ask questions about the problem sets and exams. It is meant to be an interactive learning session that will solidify your understanding of concepts taught in lecture.

**Associated Laboratory Course (CHEM 1430):** This laboratory course closely follows the topics covered in CHEM 1410 lecture, but it is a separate course that requires separate enrollment. It is recommended that you take it in the same semester as CHEM 1410 if your schedule allows it. However, you may choose to enroll in CHEM 1430 after you have completed CHEM 1410.

## **CHEM 1410**

**Academic Integrity:** Students are responsible for honoring UNT's academic integrity policies (<http://vpaa.unt.edu/academic-integrity.htm>). The penalty for cheating on an examination will be a grade of zero on that examination. Repeated or severe acts of academic dishonesty may result in students receiving a grade of F for the course.

**Special Accommodations for Students:** If you feel that you have a disability or any other circumstances requiring special accommodation, please contact the Office of Disability Accommodation (Sage Hall Suite 167, Phone 565-4323). The instructor will make every effort to ensure that your needs can be accommodated so that you have an equal opportunity to perform at your best in this course. If possible, please meet with the instructor during the first week of classes to discuss the needed arrangements.

**Note on Using the Internet for Information:** You should be aware that many sources of chemical information on the Internet are unreliable. Simply "Googling" certain terms or using popular Web sites such as Wikipedia will sometimes lead to false or incomplete information. In most cases, you would be better off going to the library to consult published textbooks and reference works, which unlike some Web resources have been authored and reviewed by reputable scientists.

**SI Leaders:** The SI Leaders for this course will organize weekly help sessions and hold office hours. SI Leaders are students who have previously taken this course. Their job is to be available to help you succeed in learning the material. SI Leaders are a unique resource at UNT, and you are encouraged to seek their help. More information will follow during the semester.