General Chemistry 1311 Spring 2006

Section 001 M-W-F 11:00 – 11:50 am FN2.102

Instructor: Dr. Warren J. Goux email: wgoux@utdallas.edu
Office: BE 3.512
Office Phone: 972-883-2660
Office hours: 1-2 pm M and W, or by appointment

Required Text: *"Chemistry: Matter and Its Changes"*
4th Edition by Brady & Senese

Supplemental Text: *"Study Guide for Chemistry: Matter and Its Changes"*
4th Edition by Brady & Senese

Prerequisite: One year of high school chemistry.

Grading:

Quizzes	15% of total grade
Best 2 of 3 1-hour exams at 25% each	50% of total grade
One comprehensive 3-hour final exam	35% of total grade

Attendance: Attendance will not be taken. However, you are expected to attend classes regularly if you wish to be successful in this course. Class participation and questions are encouraged. You will be responsible for all assignments made during class whether you are in attendance or not.

Computer: Relevant course material may be posted at http://blackboard.utdallas.edu. This material may include solutions to quizzes and exams. You may log onto the Blackboard site using your UTD assigned net ID and password. If you do not know your UTD NetID, you can retrieve it at http://netid.utdallas.edu/. Accessibility information can be found at http://access.blackboard.com. Mail sent to you by the instructor will be sent to your university email address. If you wish to use other email addresses, you will need to visit http://netid.utdallas.edu/ and set up mail forwarding. In order to comply with the UTD policy that all official correspondence be to the UTD email address, instated on 1 August 2004, administrators are keeping the UTD email address in the Blackboard profiles.

Hmwk & Quizzes: Homework problems will be assigned but will not be collected or graded; their goal is to assist your study of the subject matter. Answers will be available in the solutions manual posted on Blackboard. Quizzes will be given in review of chapter material and quiz dates will be announced in class at least one class period prior to the quiz. Quizzes will review homework problems or your understanding of important concepts covered in the lecture material. There will be **NO MAKEUP QUIZZES**; any quiz missed will receive a grade of zero (0). Your total quiz grade will be determined on the basis of your best quiz scores, after having dropped your lowest quiz grade.

Exams: All exams must be taken during the scheduled time during class hours or during the final exam week. There will be **NO MAKEUP EXAMS**; any exam missed will receive a grade of zero (0). Your total interim exam grade will be determined by your two highest interim exam grades. The final exam will be comprehensive and **cannot be substituted** for any other exam.

Be on-time: There will be a 10 minute at the beginning of each exam period during which you may come in a pick up an exam late. After this grace period you will not be allowed to take the exam and you will receive a grade of zero. Plan to be early. This will help you adjust to the exam setting and do your best on the exam.

Exam format: The exam format will be announced in class prior to the exam. Some exams will require that you bring a Scantron.

What to bring to exams: Bring a scientific calculator, a no. 2 pencil and a Scantron, if needed. No calculators, pencils or scantrons will be available to you and you will not be allowed to leave the exam to acquire these items. If a Scantron is required you will not be allowed to take the exam without it. Plan ahead!

Miscellaneous:

- Purchase a **scientific calculator** and bring the calculator to class regularly.
- **Help sessions** outside of class will be offered by the SI and, on occasion, me periodically throughout the semester - particularly before examinations.
- **Answer keys** to exams, in-class exercises and homework will be posted on Blackboard **Graded work** will be returned in class.

KEYS TO SUCCESS IN CHEM 1311:

- Be prepared for lectures by reading the assigned chapters before class. This will enable you to understand the lectures more thoroughly and allow you to formulate questions in class. Reread the chapter as necessary.

- Avoid getting behind. It is my estimation that the vast majority of students who do poorly in this class do so because they fall behind. The pace of the class can be quite fast and it is, therefore, essential that you study on a daily basis.
- Work the exercises in the chapters and the assigned homework problems on a regular basis and certainly before attending help sessions. You learn chemistry by doing it - there are no shortcuts. Please note that the answers to the in-chapter practice exercises and the even-numbered problems are at the back of your text.
- Make use of your instructor's time/office hours. I welcome your visits at most other times when my office door is open. Take advantage of this resource! I am committed to helping you succeed in this course, but your success will require dedication and hard work on your part.
- Attend and participate in Help Sessions offered by the instructor or the **SI**.
- Use the Learning Aids provided at the end of each chapter in your textbook:

  Understand the "**Tools you have learned" section**.

  Challenge yourself with the "**Thinking It Through**" problems.

  Read/scan/review **chapter summaries**.

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Below are listed nominal lecture dates. Material covered may change depending on the pace of the class.

Period	Date	Chapter	Topic
1	9-Jan	1	Atoms and Elements
2	11-Jan	1	
3	13-Jan	1	
	16-Jan		MLK DAY; NO CLASS
4	18-Jan	2	Compounds and Chemical Reactions
5	20-Jan	2	
6	23-Jan	2	
7	25-Jan	3	Measurement
8	27-Jan	3	
9	30-Jan	3	
10	1-Feb		EXAM #1 (Chapt 1-3)
11	3-Feb	8	Quantum Mechanical Atom
12	6-Feb	8	
13	8-Feb	8	
14	10-Feb	8	
15	13-Feb	9	Chemical Bonding:General Concepts
16	15-Feb	9	

17	17-Feb	9	
18	20-Feb	9	
19	22-Feb	10	Chemical Bonding and Mol Str
20	24-Feb	10	
21	27-Feb	10	
22	1-Mar	10	
23	3-Mar	4	
	5-Mar		EXAM #2 (Chapt 8-10)
24	13-Mar	4	The Mole
25	15-Mar	4	
26	17-Mar	4	
27	20-Mar	4	
28	22-Mar	5	Solutions
29	24-Mar	5	
30	27-Mar	5	
31	29-Mar	5	
32	31-Mar	6	Oxidation-Reduction Reactions
33	3-Apr	6	
34	5-Apr	6	
35	7-Apr	6	
36	10-Apr		EXAM #3 (Chapt 4-6)
37	12-Apr	7	Energy and Chemical Change
38	14-Apr	7	
39	17-Apr	7	
40	19-Apr	11	Properties of Gases
41	21-Apr	11	
42	24-Apr	11	
43	1-May		FINAL EXAM; 11:00 am