

SAM HOUSTON STATE UNIVERSITY
HUNTSVILLE TX
DEPARTMENT OF CHEMISTRY

General Chemistry I

CHEM 138-03

Fall 2007

Time: MWF (10:00 – 10:50)

Place: CFS - 121

Dr. Ilona Petrikovics

E-mail: ixp004@shsu.edu

Office: CFS 221e Ext. 4-4389

Lab: CFS 239 Ext. 4-4358

Office Hours:

TWF: 1:00 pm to 3:00 pm (others by appointments)

Textbook (Required): *Chemistry, The Central Science*, 10th Ed by Brown, LeMay and Bursten

Course Description

CHM 138 is the first semester of introductory chemistry. This is a foundation course in chemistry for science majors and minors including areas: chemistry, biology, physics, environmental science, geology, nutrition and several pre-professional programs (PDT, PEN, PMD, PMT, POD, PPH, PPT, PPA, PPD, PVT). Chem. 138 may also be a prerequisite for another course in your major or minor field. You will need a working knowledge of algebra and a scientific calculator.

This course will provide a basic understanding of chemical concepts such as the nature and structure of matter at the atomic level, periodic properties, and chemical bonding. We will investigate the organization of matter into elements and their respective physical and chemical properties. We will also examine the characteristics of distinct physical states, solids, liquids and gases and define the underlying principles that determine their behavior.

Objectives and Student Learning Outcomes

The overall objective is for the student to master the nomenclature, structure and concepts of basic chemistry. The secondary objectives of this course are to increase the students' knowledge of involvement of chemistry in everyday life, prepare the students for organic and upper level chemistry courses.

Course Evaluation

The final exam will be comprehensive, and can not be dropped. A grade of zero will be recorded for any quizzes/assignments missed.

Assignment	Maximum Total Points
The highest 3 of 4 exam scores	300
Final exam	150
Quizzes, homework, class participation	50
Total	500

Total Points	Grade
450-500	A
400-449	B
350-399	C
300-349	D
Below 300	F

CHM 138 is a prerequisite for all other chemistry courses (except the non science majors CHM 135 & 136). A minimum grade of C in CHM 138 is required to enroll in any other chemistry classes.

Class Standards

Exams will take place during regular class time. If you miss a class, you must get notes from a class-mate. Since you will be allowed to drop your lowest grade, it is not necessary to take makeup exam if you miss only one exam. In case if you miss an exam, that will automatically be the exam dropped. Any make-up exam will be given at the end of the semester as a comprehensive examination. I do have the right to refuse make-up exams. This decision will be made *after careful review of attendance and/or excuse* for missing exams. **Do not miss class!**

If you come, please, try not to be late and stay until the end of the lecture. Before you enter the lecture hall please turn off your cell phone. Students may not record lectures without my permission. All students are expected to follow proper classroom behavior and treat the other students and the instructor with respect. Students who participate in behavior which results in disruption *will be directed to leave the class and maybe reported to the Dean of Students for disciplinary action.*

Students are expected to maintain complete honesty and integrity in the academic experience both in and out of the classroom. Any student found guilty of academic dishonesty, including but not limited to, cheating on an examination or other academic work will be subject to disciplinary action. A grade of zero will be recorded for any work from student found guilty of academic dishonesty.

Students seeking accommodations related to the Americans with Disabilities Act should go to the Counseling Center to initiate requests for such accommodations.

Lecture Schedule: (All the listed topics will be covered, but the time spent on topics is subject to change).

Week of	Monday	Wednesday	Friday
Aug 19, 2007	Introduction	Ch1	Ch1
Aug 26, 2007	Ch1	Ch2	Ch2
Sept 2, 2007	XXXXX	Ch2	Review for Exam1
Sept 9, 2007	Exam1	Exam1 Discussion	Ch3
Sept 16, 2007	Ch3	Ch3	Ch3
Sept 23, 2007	Ch4	Ch4	Ch4
Sept 30, 2007	Ch4	Review for Exam2	Exam2
October 7, 2007	Exam2 Discussion	Ch5	Ch5
October 14, 2007	Ch 6	Ch6	Ch6
October 21, 2007	Ch7	Ch7	Review for Exam 3
October 28, 2007	Exam3	Exam3 Discussion	Ch8
November 4, 2007	Ch8	Ch8	Ch8
November 11, 2007	Ch9	Ch9	Ch9
November 18, 2007	Ch10	XXXXXX	XXXXX
November 25, 2007	Ch10	Ch10	Review for Exam4
December 2, 2007	Exam4	Exam4 Discussion	Review for final
December 9, 2007	FINAL EXAM	(Date will be posted	Later)