

**Course Syllabus**  
**Chemistry 138: General Chemistry I**  
**CHM 138.04**  
**Spring Semester 2008**  
**Credit 3**

Instructor: Mrs. Janet H. Bius

Textbook: Chemistry: The Central Science by Theodore L. Brown, H. Eugene LeMay Jr. and Bruce E. Bursten 10<sup>th</sup> ed.

Location of Class: Room 103, Chemical and Forensic Sciences Bldg. (CFS), SHSU Campus, Huntsville, Texas

Meeting Times: Monday, Wednesday, and Friday from 2:00 p.m. to 2:50 p.m.

**Prerequisites**

The math prerequisite for this course is a minimum grade of C in MTH 163, 170, 199 or 284, or a minimum Math score of 250 on THEA (or 21 ACT or 520 SAT).

**Course Description**

CHM 138 GENERAL CHEMISTRY I: LECTURE. [CHEM 1311] The following topics are studied: chemical changes and laws governing them; the gas laws; reactions involving oxygen, hydrogen, acids, bases, and salts; ionization; metathesis; the periodic classification, and the atomic structure. This course is for chemistry and other science majors.

Methods of instruction in CHM 138 include lecture and homework assignments. Unscheduled quizzes, on-line assignments, in-class exercises, and exams are used to indicate the level of understanding of the subject matter.

**Objectives**

- To gain factual knowledge (terminology and techniques) associated with the study of chemistry
- To learn to apply course materials.
- Students successfully completing this course should be able to discuss and work computational problems associated with the following topics:

SI units

Atomic structure

Chemical bonding

Solution stoichiometry

Periodic properties of elements

Aqueous reactions

Enthalpy

Molecular geometry

Bonding theories

**Course Requirements**

**Supplies**

It is the student's responsibility to obtain course materials at the beginning of the semester. The textbook is required for this course. A TI 30 hand-held calculator is also required.

**Exams**

There will be four exams. The average of three of these exams will contribute 65% to your final grade. These exams are short answer and/or multiple-choice questions and computational problems. The number of points that each test question is worth will be stated on the examination, and your exam grade is based on the number of points you have earned.

The final exam is worth 20% of your final grade, and it is a comprehensive exam. The final exam is scheduled for Monday, May 12th at 5:00 p.m. You must take the final exam. If you do not take the final exam, a zero (0) will be assigned for your final exam grade. The final exam questions are similar to those found on the previous exams and will be graded in the same way.

**Make-Up Exams**

There are no make-up exams. You will be assigned a zero for the missed exam. At the end of the semester, you are allowed to drop one exam grade.

### Homework and Other Assignments

Homework assignments will be given in class and also posted on Blackboard. In-class exercises are assignments done in class and turned in at the end of the class period. Some assignments will be completed using Blackboard, and these assignments will have a posted due date and will not be accepted past this date. In-class exercises and on-line assignments cannot be made up. These assignments will be graded by either the number of correct answers or as a completion grade. If a student is absent when the homework is collected, the assignment is due the next class period after the absence. Ten points will be deducted for each week the assignment is late.

Your homework average will be 10% of your final grade.

### Quizzes

There will be both unscheduled quizzes and on-line quizzes throughout the semester. Your quiz average will constitute 5% of your final grade. There are no make-up quizzes. Quizzes will be graded by the number of correct answers.

### Dropping a Grade

You will be allowed to drop your lowest exam grade (one only!). You will be allowed to drop three of your lowest assignment grades and one of your lowest quiz grades.

### Extra-credit Assignments

There are no extra-credit assignments for this course.

### Posting Grades

After each exam, I will post on Blackboard your assignment average as of that day, your exam grades, and your quiz average as of that date, and your course grade as of that date. These are estimated grades and will include all grades – no grades will be dropped until the end of the semester. Your final exam grade will not be posted. Your course grade will be posted on SamInfo.

### Grades

Your grade will consist of:

Exam Average	65%
Final Exam	20%
Quiz	5%
Homework	10%

### Final Grade

Your final grade will be based on your total points.

Average	Grade
90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

### CHM 139

You must have a C or better in CHM 138 to take CHM 139.

### Student Syllabus Guidelines

You may find online a more detailed description of the following policies. These guidelines will also provide you with a link to the specific university policy or procedure: <http://www.shsu.edu/syllabus/>

### Academic Dishonesty

Students are expected to maintain honesty and integrity in academic experiences both in and out of the classroom. See *Student Syllabus Guidelines*.

## Student Absences on Religious Holy Days

*See Student Syllabus Guidelines.*

## Students with Disabilities Policy

*See Student Syllabus Guidelines.*

## Classroom Rules of Conduct

Students are expected to assist in maintaining a classroom environment that is conducive to learning. Students are to treat faculty and students with respect which includes turning off your cell phone before class begins. Tape recorders, earphones, laptop computers, and any other electrical equipment deemed by me to be disruptive are not allowed in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination.

Sleeping, talking during presentations, reading material not associated with this class, and doing work for another class while attending this class is very rude and disruptive. You may be asked to leave the class if any of these behaviors are chronic, and you will be counted as absent. Any assignments from that class period will count as a zero.

## Visitors in the Classroom

Only registered students may attend class. Exceptions can be made on a case-by-case basis by the professor. In all cases, visitors must not present a disruption to the class by their attendance. Students wishing to audit a class must apply to do so through the Registrar's Office.

## Attendance

Regular and punctual class attendance is expected of each student at Sam Houston State University. The class roll will be checked each class period, and a written record of each student's attendance will be maintained. It is the responsibility of each student who misses class to obtain the class notes from someone who was present during the lecture presentation. You are responsible for material, directions and announcements presented during that class period.

In accordance with University Policy, regular attendance is required, however no points will be awarded or subtracted based on your attendance. Excessive absences will affect your grade in that in-class exercises cannot be made-up.

## Tardiness and Leaving Class Early

This class starts at 9:00 a.m. and ends at 9:50 a.m. Announcements and assignments are made at the beginning of class so it is very important for you to be punctual in your attendance. If you miss 20% of the class (that's more than 10 minutes), you will be counted absent for that class period, and no assignments will be collected. If you leave before I dismiss the class, you will be counted as absent, and any assignments from that class period will count as a zero. A student who **disrupts** my class when entering late may lose 5% of their final grade for each incident. Missing class hurts only you, but disrupting my class undermines everyone.

## Student Advising and Mentoring Center (SAM CENTER)

The SAM Center offers academic counseling and enrichment services to all undergraduate and graduate students. The Center offers advising aid, help with time management and/or study skills, career testing, tutoring and workshops on an array of academic and technological resources. The SAM Center can be contacted by e-mail at [SAMCENTER@SHSU.EDU](mailto:SAMCENTER@SHSU.EDU) or by telephone, (936) 294-4444.

## Success in CHM 138

Chemistry is a fascinating subject, but like all scientific subjects, it has its own language and terminology. To be successful in this class you must read the assigned material, work all the assigned homework problems, and study chemistry everyday. Last minute cramming for a chemistry exam is not a successful method of passing a chemistry course. If you studied and did not do well on an exam, see me as soon as possible. Chemistry builds on previously learned material. The last weeks of the class are too late to realize you need help.

I will post on Blackboard the schedule of the chemistry tutoring sessions. The tutors are chemistry majors, and they are there to help you if you need it. You are always welcome to come by my office if you have any questions.

### Dropping a Course

The last day that you can drop a course without the grade of F is the day you take your first final exam. Be aware that some lab courses have early finals.

### Communication

Announcements will be made during regular class time, through email, and through postings made on Blackboard. It is your responsibility to check for these announcements.

### Dates to Remember

January 16	WEDNESDAY. Daytime on-campus classes begin. <a href="#">Late Registration</a> . Process class schedule changes. Refer to the <a href="#">Schedule of Classes</a> for details and deadlines. Wednesday Night (WN) classes begin (on-campus and off-campus).
January 21	MONDAY. University Holiday - Martin Luther King Day.
February 1	FRIDAY. Twelfth Class Day. Last day to drop without a "Q" and receive 100% refund. Degree Applications to be filed in Registrar's Office by students graduating May 2008.
March 7	FRIDAY. Half-semester courses end. Last day to drop a semester course for the Spring Semester without grade of F. Degree applications to be filed in Registrar's Office by students graduating in August 2008.
March 10,11, 12, 13, 14	MONDAY THROUGH FRIDAY. Spring recess for students and faculty.
March 21	FRIDAY. Good Friday. Holiday for Students and Faculty.
May 8	THURSDAY. Last Class Day. Last day to resign. Last day to drop a course without the grade of F.
May 9	FRIDAY. Final Exam Study Day.
May 12,13, 14, 15	MONDAY, TUESDAY, WEDNESDAY, THURSDAY. Final examinations [includes Monday Night (MN), Tuesday Night (TuN), Wednesday Night (WN) and Thursday Night (THN) final examinations].

Refer to the [Schedule of Classes](#) for details and deadlines.

### Test Dates

This is a tentative schedule that can be changed at the discretion of the instructor.

Test 1	02/08/08
Test 2	03/07/08
Test 3	04/11/08
Test 4	05/02/08
Final Exam	5:00 p.m. to 7:00 p.m. Monday, May 12th

### Office Hours and Location

(Tentative)

*Location:* 317F, Chemical and Forensic Sciences Bldg.

*Telephone:* 936-294-1530

*Email:* [chm\\_jhb@shsu.edu](mailto:chm_jhb@shsu.edu)

*Office Hours:* Mondays: 10:00 a.m. to 11:00 a.m. and 3:00 p.m. to 5:00 p.m.

Wednesdays: 10:00 a.m. to 11:00 a.m. and 3:00 p.m. to 5:00 p.m.

Fridays: 8:00 a.m. to 9:00 a.m. and 1:00 p.m. to 2:00 p.m.

Or by appointment

My office hours are there for your questions and problems. Use them. I also welcome your questions in class.