

Course Syllabus
Introductory Inorganic and Environmental Chemistry
CHEM 1406.06 (4 h)
Spring 2018
Tuesday and Thursday 3:30-4:50 p. m.

Lecture location: CFS 121 (Chemistry and Forensic Science Building) Classroom

Instructor: Dr. Rukma Basnayake

Office: CFS 223 (Chemistry and Forensic Science Building)

Phone: 936-294-4421

Email: rsb004@shsu.edu

Office hours: Tuesday/Thursday 10:30 a. m. - 12:00 p. m. or by appointment

Required Materials:

Text: General, Organic, and Biological Chemistry: Structures of Life, Karen Timberlake, 5th Ed

Calculator: A hand-held calculator (TI 30Xa series)

Scantrons: Form 882-E, one for each test

Valid email address, access to Blackboard

Course Description

CHEM 1406: INORGANIC AND ENVIRONMENTAL CHEMISTRY LECTURE AND LABORATORY.

This course is for non- science majors.

The elements and their compounds are considered from a non-technical standpoint with emphasis placed on the chemistry of familiar materials. This course will examine the relevancy and importance of chemistry to our daily lives and to relate the discipline of chemistry to other areas of study such as agriculture or nursing. Topics found in the media will be related to subject matter studied in the class.

The following topics are studied:

Measurements, Atoms and elements, Nuclear Chemistry, Compounds and their bonds, Chemical reactions, Energy and matter, Gases, Solutions, and acids and bases.

The text's authors have included a large number of problems at the end of each chapter that **strongly require your attention**. Many of these problems are answered in the back of the text, but you should go to those solutions (answers) only as a last resort. Don't cheat yourself of the learning by looking up the answer before you have really tried the problem.

The Course Home Page for this CHEM1406.06 section can be reached via: blackboard.shsu.edu. Online quizzes, Homework assignments, course materials (handouts, practice problem sets), grades, and all other announcements will be posted on the blackboard.

Purpose of This Course

1. To provide the background in inorganic and environmental chemistry for students who are in the health career programs as nursing, dental hygiene, respiratory therapy, and radiological and nuclear technology.
2. To furnish knowledge of the terminology, techniques, concepts, and principles associated with the study of chemistry
3. To explore the history of scientific discovery
4. To become informed about the scientists who have contributed to our knowledge of chemistry
5. To provide information in inorganic and environmental chemistry that will enable them to read scientific articles in newspapers and magazines with understanding.

Exams

The laboratory portion of this course counts for 25% of the overall grade. In order to make a D or higher in this course, you must earn at least a D in both the lecture portion of the course AND in the laboratory portion of the course.

See your laboratory syllabus for details regarding the laboratory portion of the course.

There will be four tests and a final in the lecture portion. (The scheduled test dates are not negotiable but can be changed at the discretion of the instructor). Your lowest Test grade will be dropped. The final exam is comprehensive (covers materials from chapters 1-10). The student is responsible for bringing a scantron-form 882-E, a #2 pencil, eraser, and approved calculator. Sharing calculators or using cell phones during tests will not be allowed.

Test 1 Thursday, February 8, 2018.

Test 2 Thursday, March 8, 2018.

Test 3 Thursday, April 05, 2018.

Test 4 Thursday May 03, 2018.

The grading in this course will be based as follows:

Assignment	Maximum Total Points
Test 1	100
Test 2	100
Test 3	100
Final	100
Homework, On-line quizzes, and In-class quizzes/assignments,	100

Average = Total points/5

Your final grade **only for the lecture** will be based on your average.

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

Have you earned at least a D in this lecture and also in lab? Then,

Calculate your average for average for lecture*0.75 + average for lab *0.25
both lecture and lab (%)

The grades for all the assignments/exams will be posted on Blackboard. It is your responsibility to track of your assignment average.

Attendance Policy

Class attendance is **extremely important** to succeed in this course. Roll will be taken at class meetings. You are responsible for signing the class attendance sheet for each class session. Your signature becomes official documentation that you were in class; if you do not sign-in you will be considered absent. You will be considered absent if you do not attend the entire class period. That means, **late arrival, leaving class early** and **forgetting to sign the roll** sheet are counted as absences. If you are absent, it is your responsibility to find out what work you missed (either from the instructor or from another student) and complete all assignments by the due date. **Two extra points** will be added to the overall score for the students having **NO more than 2** absences for the semester. However, you must demonstrate class participation and professionalism to earn these two extra points.

Students will be allowed 3 class absences without penalty. Any absences over 3 classes will result in final grade reductions.

On-Line Quizzes, In-Class Quizzes and Homework

Note that the on-line quizzes, in-class quizzes and homework are required in this course. All the assignments must be turned in by the due date. Late assignments will not be graded. These assignments are used to reinforce lecture material; they will be assigned as the material is covered in lecture. These are meant to help the average student keep up and master the material assigned each day and covered in class.

The online quizzes are automatically graded as you take them.

Homework will be assigned every time we meet. Every Tuesday, either your homework will be collected, an in-class quiz (based on homework) will be given OR an on-line quiz will be given. Pop-up quizzes will also be given (weight of a pop-quiz is same as a regular quiz).

Missed Assignments (Online quizzes, In-class assignments, homework)

Missed online quizzes and in-class assignments result in a zero for that assignment. **They cannot be made up.** You are allowed to miss two in-class assignments without any penalties. Homework assignments are due the next class period after the absence. Late assignments will not be graded.

Missed Tests

There are no make-ups for unexcused absences on tests or the final. If you miss an exam for an unexcused absence, then your grade on that exam is zero.

Excused absences included sickness that involves a doctor or health clinic visit, death in the immediate family, and emergency situations like fires or automobile accidents.

If you have an excused absence and can't attend a test, when you supply documentation for your absence a make-up exam will be scheduled. It is your responsibility to contact me as soon as possible after the missed test to begin this process. If you do not supply that documentation before the next schedule test, then the missed test grade becomes zero. In other words, excused absences require documentation.

Academic Honesty

The University expects all students to engage in all academic pursuits in a manner that is above reproach. Students are expected to maintain complete honesty and integrity in the academic experiences both in and out of the classroom. Any student found guilty of dishonesty in any phase of academic work will be subject to disciplinary action. Furthermore, the University and its official representatives may initiate disciplinary proceedings against a student accused of any form of academic dishonesty including, but not limited to, cheating on an examination or other academic work which is to be submitted, plagiarism, collusion and the abuse of resource materials.

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. Students are to turn off all cell phones or any electronic devices while in the classroom. Under no circumstances are cell phones or any electronic devices to be used or seen during times of examination.

Student Absences on Religious Holidays

Section 51.911 of the Texas Education Code requires that an institution of higher education shall allow a student who is absent from class for the observance of a religious holy day to take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. The student, not later than the 15th calendar day after the first day of the semester, or the 7th calendar day after the first day of a summer session, must notify the instructor of each scheduled class that he/she would be absent for a religious holy day. Refer to the Academic Calendar for the deadline date for notification by students to the faculty members of the student's intent to be absent on religious holy days.

STUDENTS with Disabilities

Services to Students with Disabilities

It is the policy of Sam Houston State University that no otherwise qualified disabled individual shall, solely by reason of his/her disability, be excluded from the participation in, be denied the

benefits of, or be subjected to discrimination under any academic, Student Life program or activity. Students with disabilities may request academic assistance when needed from a Committee for Continuing Academic Assistance for Disabled Students by visiting the director of the Counseling Center, located in the annex of the Lee Drain Building across the sidewalk from Farrington Building, or call (936) 294-3512, TDD (936)294-3786 (For additional information see the University Catalog). For assistance other than academic, the student with disabilities should contact the department from which assistance is needed, such as University Police for parking, the Registrar's Office for registration, etc. If problems are not resolved on the departmental level, contact the Interim Coordinator, Americans with Disabilities Act, or call (936) 294-1015. Students with disabilities may benefit by using CCTV's and voice-activated reading machines available in the Counseling Center. Hours of operation are Monday - Friday, 8:00 a.m. to 5:00 p.m. For further information, contact the Counseling Center staff at (936) 294-1720. CCTV and a voice-activated reading machine are also available in the library.

Americans with Disabilities Act

SHSU adheres to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations for students with disabilities. If you have a disability that may affect adversely your work in this class, then I encourage you to register with the SHSU Counseling Center and to talk with me about how I can best help you. All disclosures of disabilities will be kept strictly confidential. NOTE: no accommodation can be made until you register with the Counseling Center.

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.

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.