

Survey of Chemistry (I)

CHEM1151K - Fall 2019

Instructor: Dr. Zahra Alghoul Office: Langdale Hall – 831 email: zalghoul@gsu.edu

Office hours		
Tuesday 11:00 – 12:00 pm	Thursday 11:00 – 12:00 pm	Or by appointment

Lecture meetings T,R 9:30-10:45 AM, Aderhold Learning Center 5

Text book General, Organic, and Biological Chemistry: Structures of Life 6th Edition, Karen Timberlake, ISBN-13: 978-0134762982
ISBN-10: 0134762983
5th edition is also acceptable

Required Material A scientific **nonprogrammable** calculator

Content CHEM 1151 is the first course in a series of general chemistry courses designed for students in physical education, business, humanities, social sciences, and allied health (Nursing or Dental Hygiene) majors. The contents of the course will provide you with knowledge of **basic chemical concepts**, such as scientific calculations, composition of matter, chemical reactions, stoichiometry, periodic relations, nomenclature, electronic structure, chemical bonding, acid-base chemistry, nuclear chemistry, and properties of gases. The lecture and laboratory parts of the course will both count towards your final course grade.

Course Objectives The objective of this course is to give you the knowledge needed to:

- Model the structure of the atom
- Recognize the properties of atoms from their location in the periodic table
- Name chemical compounds and predict their formulas
- Write chemical reactions
- Learn about the medical applications of nuclear chemistry
- Use gas laws to predict behavior of gases under different experimental conditions
- Use acid-base chemistry in medical applications

Grading If an examination is missed, a copy of documentation that shows the reason for absence should be provided within 7 days. There will be no make-up or early exams and no due date extensions for the online quizzes. In case of an excused absence, the missed exam score will be prorated using the score of the final exam. Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holidays, athletic competitions. If you have another valid reason for missing exams/quizzes that is not listed here, please communicate it to me. **A score of zero will be given to missed exams and quizzes with no excuse for absence.**

3 exams	300
5 quizzes (out of 6)	100
Laboratory	200
1 cumulative final exam	200
Total	800 Points (100%)

Grading scale Based on the total number of points: A ≥ 720 pts (90%); B ≥ 640 pts (80%); C ≥ 560 pts (70%); D ≥ 480 pts (60%); F < 480 pts (60%)

The instructor MAY modify the grading percentile downwards.

Course Lecture material and grades will be posted on the course page on *icollege*.

Resources You will receive course announcements from me on your GSU emails. Please use your GSU emails for communicating with me about course-related matters and send the messages on zalghoul@gsu.edu. Please check the following website for academic assistance programs available through campus <https://chemistry.gsu.edu/tutoring/>.

Academic Honor All students are expected to respect the academic honor policy and to contribute their own effort into their academic achievements. Graded assignments should reflect every student's effort. Violation of the academic honor policy will result in an F on the course, according to University regulations.

Lecture Policies During lecture meetings, students are expected to comply with the classroom etiquette. Please avoid all behavior that might distract other students in the classroom.

Course Schedule

The online quizzes can be accessed through *icollege*.

Quiz Schedule					
Quiz # 1 09/05/2019	Quiz # 2 09/19/2019	Quiz # 3 10/10/2019	Quiz # 4 10/17/2019	Quiz # 5 11/07/2019	Quiz # 6 11/14/2019

Exam Schedule			
Exam #1 09/26/2019	Exam # 2 10/24/2019	Exam # 3 11/21/2019	Final Exam 12/12/2019 (8:00-10:30am)

Americans with Disabilities Act Statement: If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, please seek assistance through the Office of Disability Services.

Affirmative Action Statement: Georgia State University adheres to affirmative action policies designed to promote diversity and equal opportunity for all faculty and students.

Statement of Non-Discrimination: Georgia State University supports the Civil Rights Act of 1964, Executive Order #11246, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act. No person shall, on the basis of age, race, religion, color, gender, sexual orientation, national origin or disability, be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any program or activity of the college.