

Survey of Chemistry (I)

CHEM1151K - Summer 2020

Instructor: Dr. Zahra Alghoul

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Office hours

Send questions by email through icollege.

Lecture

Lecture notes and videos will be posted on icollege on Monday and Wednesday every week.

Text book

General, Organic, and Biological Chemistry: Structures of Life 6th Edition, Karen Timberlake (without Mastering Chemistry)

Required Material

- A scientific **nonprogrammable** calculator
- *This course will require students to use LockDown browser with Resonus Web Monitor for all course Exams. Students will need a webcam enabled device capable of installing Lockdown Browser. Students who require a device may request one from CETL here: <https://cctl.gsu.edu/resources/resources-for-learning-remotely/internet-options/>*

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 equations of 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

Course Schedule

Exam Schedule		
Exam #1 06/25/2020 2:00pm	Exam # 2 07/16/2020 2:00 pm	Final Exam 07/30/2020 (8:00am)– 08/01/2020 (8:00pm) (50 minutes long)

Grading

If an exam is missed, a copy of documentation that shows the reason for absence should be provided within 5 days from exam date. **A score of zero will be given to missed exams and lab assignments with no excuse for absence.**

2 exams (100 points each)	200
Laboratory	140
Final exam	60
Total	400 Points (100%)

Grading scale

Letter grade	Range %		Letter grade	Range %
A+	97+		C+	77+
A	93+		C	73+
A-	90+		C-	70+
B+	87+		D	60+
B	83+		F	< 60
B-	80+			

The instructor MAY modify the grading percentile downwards.

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.

1)Unauthorized sharing/collaboration on examinations or other assignments using any means including social media like GroupMe constitutes academic dishonesty.

2) KNOWING about such sharing and not reporting it also constitutes academic dishonesty and will be reported as such.

3) Please remember that there is no statute of limitations on academic dishonesty, so if it turns out after grades are reported that there was cheating or knowledge of cheating that was unreported, grades can be changed after the fact.

Americans with Disabilities Act Statement: If you are a student who requires special accommodations as defined under the Americans with Disabilities Act and require assistance or support services, please seek assistance through the Access and Accommodations Center at GSU.

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.