

CHEM 1143-201, General Chemistry I Spring 2024 (TR 9:30 – 10:50 am)

Instructor: Dr. J. SHAO

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(Lecture notes are posted on D2L)

Office Hours: 1:00 – 4:00 pm (TW)

Text(s): Required: <https://openstax.org/details/books/chemistry-2e>
(downloadable, *free of charge*)

Prerequisites: Enrollment in Math 1233 (College Algebra) and High School Chemistry or 1103/1203 (Introduction to Chemistry)

Grading Procedure:

Three Exams	300 (37.5%)
Final ACS Exam	150 (18.8%)
Homework Sets (<i>via Macmillan</i>)	150 (18.7%)
Online Quizzes (<i>via D2L</i>)	100 (12.5%)
Class Attendance	100 (12.5%)

Grading Scale:

A: $\geq 90\%$; B: 80 – 89%; C: 70 – 79 %; D: 55 – 69 %; F < 55% (of total points)

Attendance Policy:

Attendance is required for the effective studies in this course. Each one-hour exam is 80 minutes and the final ACS test is 110 minutes. The final exam will cover the content of Chapters 1 – 10. Quizzes and homework will be given online via D2L and Macmillan Achieve, respectively.

Calculators:

Calculators with large memory capacity, mathematical solution software, and chemistry software are **NOT** allowed on exams. *The use of such a calculator on an exam constitutes cheating if the memory is **NOT** cleared.* Single line scientific calculators are acceptable.

General Education Statement:

Students in this course must demonstrate their competency in reading, writing, and fundamental math skills through satisfactory completion of all assignments.

Academic Dishonesty:

Cheating on any exam, quiz or lab report will be regarded as academic dishonesty and will be subject to a final course grade of "F".

Tentative Lecture Schedule (changes may be made based on the teaching pace)

Date(s)	Chapter	Topic
Jan. 16 – 18	1	Introduction: Matter and Measurement
Jan. 23 – 30	2	Atoms, Molecules, and Ions
Feb. 01 – 08	3	Chemical Reactions and Reaction Stoichiometry
Feb. 13	TEST 1	Chapters 1 – 3
Feb. 15 – 22	4	Reactions in Aqueous Solution
Feb. 27 – 29	10	Gases
Mar. 05 – 07	5	Thermochemistry
<i>Mar. 11 – 15</i>	<i>No Class</i>	<i>Spring Break</i>
Mar. 19 – 26	6	Electronic Structure of Atoms
<i>Mar. 28 – 29</i>	<i>No Class</i>	<i>Holiday Break</i>
Apr. 02	TEST 2	Chapters 4 – 6 & 10
Apr. 04 – 11	7	Periodic Properties of the Elements
Apr. 16 – 18	8	Basic Concepts of Chemical Bonding
Apr. 23 – 30	9	Molecular Geometry and Bonding Theories
May 02	TEST 3	Chapters 7 – 9
May 07	FINAL	Comprehensive ACS Final, 8:00 – 10:00 am (Bolin-311)

Martin Luther King's Birthday Observed.....	January 15, 2024
Classes begin.....	January 16, 2024
Change of Schedule or Late Registration.....	January 16-19, 2024
Deadline for May graduates to file for graduation.....	February 12, 2024
Spring break.....	March 11-15, 2024
Holiday break	March 28-29, 2024
Last day of drop for "W", 4:00 pm	April 24, 2024
Last day of classes.....	May 03, 2024
Final examinations.....	May 06-09, 2024
Commencement.....	May 11, 2024

When Inclement Weather Occurs:

If the campus is closed due to inclement weather, teaching of this course will be given online via ZOOM. A guideline on how to access the ZOOM teaching room will be sent to you later on by D2L email accounts.

Campus-Carry Rules:

Senate Bill 11 passed by the 84th Texas Legislature allows licensed handgun holders to carry concealed handguns on campus, effective August 1, 2016. Area excluded from concealed carry are appropriately marked, in accordance with state law. For more information regarding campus carry, please refer to the University's webpage at <http://mwsu.edu/campus-carry/rules-policies>.