

CHEM 1143-202, General Chemistry I Spring 2023 (TR 11:00 am – 12:20 pm)

Instructor: Dr. J. SHAO

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(*Lecture notes are posted on D2L*)

Office Hours: 1:00 – 4:30 pm (TR)

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 (33.4%)
Final ACS Exam	200 (22.2%)
Homework Sets (<i>via Macmillan</i>)	200 (22.2%)
Online Quizzes (<i>via D2L</i>)	100 (11.1%)
Class Attendance	100 (11.1%)

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. 17 – 19	1	Introduction: Matter and Measurement
Jan. 24 – 31	2	Atoms, Molecules, and Ions
Feb. 02 – 09	3	Chemical Reactions and Reaction Stoichiometry
Feb. 14	TEST 1	Chapters 1 – 3
Feb. 16 – 23	4	Reactions in Aqueous Solution
Feb. 28 – Mar. 02	10	Gases
Mar. 07 – 09	5	Thermochemistry
<i>Mar. 13 – 17</i>	<i>No Class</i>	<i>Spring Break</i>
Mar. 21 – 28	6	Electronic Structure of Atoms
Mar. 30	TEST 2	Chapters 4 – 6 & 10
Apr. 04 – 13	7	Periodic Properties of the Elements
<i>Apr. 06 – 07</i>	<i>No Class</i>	<i>Holiday Break</i>
Apr. 18 – 20	8	Basic Concepts of Chemical Bonding
Apr. 25 – May 02	9	Molecular Geometry and Bonding Theories
May 04	TEST 3	Chapters 7 – 9
May 09	FINAL	Comprehensive ACS Final, 1:00 – 3:00 pm (Bolin-304)

Martin Luther King's Birthday Observed.....	January 16, 2023
Classes begin.....	January 17, 2023
Change of Schedule or Late Registration.....	January 17-20, 2023
Deadline for May graduates to file for graduation.....	February 20, 2023
Spring break.....	March 13-18, 2023
Last day of drop for "W", 4:00 pm	March 27, 2023
Holiday break	April 06-07, 2023
Last day of classes.....	May 05, 2023
Final examinations.....	May 08-11, 2023
Commencement.....	May 13, 2023

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>.