

## CHEM 1143-201, General Chemistry I Spring 2023 (MWF 8:00 – 8:50 am)

**Instructor:** Dr. J. SHAO

**Phone, Office, Email:** (940) 397-4463  
Bolin Science Hall, 307E  
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(All teaching materials can be downloaded via D2L)

**Office Hours:** 1:00 am – 4:30 pm (TR) or by appointment

**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:**

4 One-hour Exams @ 100 pts each	400 (40%)
Final ACS Exam	200 (20%)
Macmillan Homework Sets	200 (20%)
Online Quizzes	100 (10%)
Attendance	100 (10%)

**Grading Scale:**

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

**Attendance Policy:**

Attendance for this course is required as stated in the Student Handbook. Excessive unexcused absences will result in an instructor drop with a grade of “F”. **Under no circumstances will make-up exams or extra assignments be given. Make-up for major exams will be given for *excused absence only*.**

**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	No Class	MLK Holiday
Jan. 18 – 25	1	Introduction: Matter and Measurement
Jan. 27 – Feb. 03	2	Atoms, Molecules, and Ions
<b>Feb. 06</b>	<b>TEST 1</b>	<b>Chapters 1 &amp; 2</b>
Feb. 08 – 15	3	Chemical Reactions and Reaction Stoichiometry
Feb. 17 – 24	4	Reactions in Aqueous Solution
Feb. 27 – Mar. 03	10	Gases
<b>Mar. 06</b>	<b>TEST 2</b>	<b>Chapters 3, 4 &amp; 10</b>
Mar. 08 – 22	5	Thermochemistry
Mar. 13 - 17	No Class	Spring Break
Mar. 24 – 31	6	Electronic Structure of Atoms
Apr. 03 – 12	7	Periodic Properties of the Elements
Apr. 06 – 07	No Class	Holiday Break
<b>Apr. 14</b>	<b>TEST 3</b>	<b>Chapters 5, 6 &amp; 7</b>
Apr. 17 – 24	8	Basic Concepts of Chemical Bonding
Apr. 26 – May 03	9	Molecular Geometry and Bonding Theories
<b>May 05</b>	<b>TEST 4</b>	<b>Chapters 8 &amp; 9</b>
<b>May. 10</b>	<b>FINAL</b>	<b>Comprehensive ACS Final, 8:00 – 10:00 am (Bolin-312)</b>

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

**Student Resources:**

[https://msutexas.edu/academics/scienceandmath/student\\_resources.php](https://msutexas.edu/academics/scienceandmath/student_resources.php)

**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>.*