

# Syllabus for UWXCH144

## General Chemistry 1 - Lecture

---

**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

### Course Description

An introduction to chemistry including matter and energy, atomic and molecular structure, bonding, reactions and stoichiometry, gas laws, and changes of state. This course is primarily designed for natural science, pre-health, and occupational and environmental safety majors needing two or more semesters of chemistry.

### Prerequisite(s)

Grade C or better in MA093 or equivalent.

### Course Outcomes

Upon completing this course, you will be able to do the following:

1. Prepare students for the breadth of natural science courses and further study in general chemistry.
2. Apply basic principles and ideas in chemistry to contemporary problems and to understanding the natural world.
3. Develop and apply quantitative skills.
4. Develop problem-solving skills, including making and interpreting graphs, tables, and diagrams.

### Course Requirements/Components

#### Homework Quizzes

Ungraded practice problems with answer keys provided will give students the opportunity to practice working with new content before their first graded assessments. Homework Quizzes will be the first graded assessment where student can get immediate feedback on each sublesson (each lesson contains three sublessons) so they know where they need to spend more time studying and practicing before moving on to lesson quizzes. Questions include reading comprehension questions, practice problems, and application questions.

## Quizzes

Each lesson will have a Quiz that covers all three sublessons. These will be a step up in difficulty from Homework Quizzes and allow students the opportunity to demonstrate mastery of each lesson.

## Exams

There will be three proctored unit exams. Each unit exam will cover four lessons. The exam questions will be similar to quiz questions from each lesson. Exams allow students the opportunity to demonstrate mastery of each unit.

## Final Exam

There will be a proctored final exam. The final exam will be cumulative, covering all 15 lessons, but it will be weighted more heavily toward the last three lessons for which there is not a separate unit exam. The cumulative final exam allows students the opportunity to demonstrate mastery of all General Chemistry I course content.

## Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	93% - 100%
A-	90% - 92%
B+	87% - 89%
B	83% - 86%
B-	80% - 82%
C+	77% - 79%
C	73% - 76%
C-	70% - 72%
D+	67% - 69%
D	60% - 66%
F	59% and under

Assignments	Weight
Homework Quizzes	12.5%
Quizzes	25%
Exams	37.5%
Final Exam	25%