

Syllabus for UWXCH140

General Chemistry I - Lab

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)

CH144 or concurrent enrollment.

Course Outcomes

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

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

Course Requirements/Components

Labs

Laboratory work gives you an opportunity to demonstrate the learning objectives for the course and are intended to build analytical, computational, and manipulative chemistry skills as well as an ability to draw conclusions from a collection of data. Labs will be a combination of those that can be done at home with Caroline lab kits or via simulations. Each of the lab exercises counts for 30 points. The final lab notebook evaluation is worth 160 points. There are 560 total possible points in the course.

Grading

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

Grade	Percentage Range	Points
A	93% - 100%	521-560
A-	90% - 92%	504-520
B+	87% - 89%	487-503
B	83% - 86%	465-486
B-	80% - 82%	448-464
C+	77% - 79%	431-447
C	73% - 76%	409-430
C-	70% - 72%	392-408
D+	67% - 69%	375-391
D	60% - 66%	336-374
F	59% and under	0-335

Assignment	Points
Labs: 14 @ 30 points	420
Lab Report Writing: 11 @ 5 points	55
Full Formal Lab Report	35
Laboratory Notebook Reviews	50
Total Points	560