

# Chem 1110 Syllabus

## General Education Outcomes:

Upon successfully completing this course, students will have had exposure to and demonstrated an understanding of the following general education outcomes. The topics in parentheses are specific examples of course topics that contribute to the outcomes.

- a. The nature of science (the scientific method)
- b. Integration of science (the conservation of matter)
- c. Science and Society (climate change)
- d. Problem solving and data analysis (chemical reaction rates, the analysis of lab data)
- e. Organization of systems (the periodic law and table)
- f. Matter (chemical and physical changes)
- g. Energy (energy sources, conservation of energy)
- h. Forces (chemical bonding)

## Required Texts and Course Materials

There is one required purchase item for this course:

1. Chem 1110: (**Required**) Tutor Materials: The tutor materials have been prepared specifically to help you with the material in this course. It is a required course material and access can be purchased at [www.wasatchtextbooks.com](http://www.wasatchtextbooks.com). This item is published by Wasatch Textbooks for us, and at this time it is not sold to other retail stores to ensure costs are kept down for students.

All coursework, including lab is done online using standard internet browsers.

## Calculator

A calculator is needed for many homework and test problems. An inexpensive scientific calculator will suffice.

## Exams

There will be a short quiz on each of the chapters. Each quiz is worth 20 points.

There are four exams, each covering three chapters. Each exam is worth 99 points each.

The short chapter quizzes will be taken on your own computer using a computer program that gives you immediate feedback on the quiz (ChemWeb). Late quizzes may NOT be accepted. There are due dates for completion of the chapter quizzes. For these dates, please see [ChemWeb](#).

Prepare for these quizzes by reading the chapter, completing the required exercises and completing the Tutor assignment for that specific chapter. The quizzes are open book. The best course of action is to take the quiz without your book, then double check your answers with the book. This will help you determine where you need to put in more study time. Don't lose precious points on quizzes. A few points on each quiz can make the difference between a lower and higher grade.

Prepare for the exams by reviewing the Tutor assignments, the chapter quizzes, and the Exam Study Guides.

The exams are available using our Proctoring program in ChemWeb. For proctor and exam information, see the [exams](#) page.

Each assignment MUST be completed by its specific due date.

**No late or make up exams will be given!**

## Assignments/Lecture

A step-by-step outline of the assignments is available on the "[Course Work](#)" tab.

Timely completion of the Tutor review for each chapter is required. The Tutor is a page-by-page commentary focusing on important concepts. If you master the Tutor, you should do well on the chapter quizzes, and exams. Complete this work and submit a copy of your answer sheet (scanned copy, typed copy, photo or other digital file format) of your work for credit in ChemWeb.

## Laboratory

Chem 1115 is taken generally simultaneously with Chem 1110. You will not be required to come to the campus to complete the laboratory portion of this course. You also won't need any laboratory equipment.

Lab instructions and help is available on the "[Lab](#)" tab on the course site. The lab syllabus is accessible at the course site.

Labs are graded by assistants, so instantaneous feedback is not possible. Labs will be graded within one week from the last accept date.

There will be one assignment on Canvas that pertains to the gen ed requirements. It will be due the day after lab #1 is due. That will be the only assignment you will complete in Canvas. To get the credit for this assignment, you will complete the questionnaire in your ChemWeb account after completing the Canvas activity.

## Late Work Policy

All work is due by 11:59 p.m. EST time on or before it's "due date". We **DO NOT** allow late work. We will allow one each grace due date for each assignment (quiz/tutor/lab only) up to one week late, but no late work after that one grace time. The last chapter work for the semester will also NOT be accepted late. Exams will **never** be allowed late, no retakes or make-ups. To take advantage of the late grace, email me to extend it for you.

## Course Grades

Grades will be assigned on the basis of the total number of points (%) accumulated. You will receive two separate grades for the lecture portion of class (Chem 1110) and lab class (Chem 1115):

Chapter Quizzes (12)	240 points
Tutor Activities (12)	48 points
Comprehensive Exams (4)	396 points
Total Points Possible	684 points

The following scale based upon total course points will be used to establish grades:

A 100-94%	B 86-83%	C 76-73%	D 66-64%
A- 93-90%	B- 82-80%	C- 72-70%	D- 63-60%
B+ 89-87%	C+ 79-77%	D+ 69-67%	E 59-0%

At the discretion of the instructor, a curve (lowering the scale above) may be used for grading.

**Tentative Schedule:** Summer semester may be condensed due to the shorter semester weeks. Specific dates are located in your grade book ChemWeb account.

<b>Week 1</b>	Quiz Ch 1, Tutor Assignment Ch 1
<b>Week 2</b>	Quiz Ch 2, Tutor Assignment Ch 2

<b>Week 3</b>	Quiz Ch 3, Tutor Assignment Ch 3
<b>Week 4</b>	Exam 1
<b>Week 5</b>	Quiz Ch 4, Tutor Assignment Ch 4
<b>Week 6</b>	Quiz Ch 5, Tutor Assignment Ch 5
<b>Week 7</b>	Quiz Ch 6, Tutor Assignment Ch 6
<b>Week 8</b>	Exam 2
<b>Week 9</b>	Quiz Ch 7, Tutor Assignment Ch 7
<b>Week 10</b>	Quiz Ch 8, Tutor Assignment Ch 8
<b>Week 11</b>	Quiz Ch 9, Tutor Assignment Ch 9
<b>Week 12</b>	Exam 3
<b>Week 13</b>	Quiz Ch 10, Tutor Assignment Ch 10
<b>Week 14</b>	Quiz Ch 11, Tutor Assignment Ch 11
<b>Week 15</b>	Quiz Ch 12, Tutor Assignment Ch 12 plus Exam 4

**Extra Credit:** No extra credit will be offered for this class.

#### **Additional Help:**

*WSU is now piloting an online tutoring program for online Chemistry students! Online sessions with Weber State tutors are available by appointment only, and space is limited. Please advise students to call or visit the Davis Learning Center at least 24 hours in advance to schedule (801-395-3569, room D2-214).*

We Care About Your Success! Weber State University uses Starfish® to help identify students who may need additional support in order to achieve academic success. Throughout the term, you may receive emails from Starfish® regarding your course grades or academic performance. Please pay attention to these emails and consider taking the recommended actions. If you receive one of these alerts, please keep in mind they are meant to help you achieve success—they do not affect your grade, or carry any punitive action. Students may also raise flags in Starfish® that signal to the instructor and academic advisor that they need additional help. Advisors are available to

connect students with a variety of campus resources and answer questions. You may find the Starfish program at your eWeber portal.

*Brian Pilcher, learning strategist in the College of Science, can help you with learning skills such as time management, study methods, test taking, and test anxiety. He is located in TY 201D when the pandemic settles out enough for face-to-face appointments, but Zoom discussions are a sure way to visit. Either way, make an appointment at <https://brianpilcher.youcanbook.me>. Available times are indicated there. He will also offer learning skills workshops when face-to-face is completely resumed. You can find the [current workshop schedule here](#).*