

Chem 1130 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 Textbooks/Materials

There is one required purchase item for this course:

1. Chem 1130: (Required) Tutor online access. This Tutor has been prepared specifically to help you with the material in this course. It is a required course material and can be purchased at 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 keep costs down

All coursework, including lab is done online using standard internet browsers. Chem 1130 is generally taken consecutively with Chem 1135.

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. Four of the quizzes are worth 30 points, the remaining 8 are worth 20 points each.

There are four exams; each exam is worth 99 points. They each will only cover the material covered during that period.

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

Prepare for these quizzes by reading the chapter and completing the Tutor assignment for that specific chapter(s). Prepare for the exams by reviewing the Tutor assignments, the chapter quizzes, and the Exam Study Guides. The quizzes are open book, so don't lose precious points on quizzes. A few points on each quiz can make the difference between a lower and higher grade.

The exams are available using a proctoring system. 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 quizzes. If you master the tutor and follow the Study Guides, you should do well on the 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 1130 is generally taken consecutively with Chem 1135.

Late Work Policy

All work is due by 11:59 p.m. EST on or before it's due date. We DO NOT allow late work. We will, however, allow one grace due date for each assignment (quiz/tutor) up to one week late, but no late work after that one grace. The last chapter assignments/lab will 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 apply it for you.

Course Grades

Grades will be assigned on the basis of the total number of points (%) accumulated:

| | |
|-------------------------|------------|
| Chapter Quizzes (12) | 280 points |
| Tutor Activities (12) | 48 points |
| Comprehensive Exams (4) | 396 points |
| Total Points Possible | 764 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 due dates are listed in your grade book ChemWeb account.

Week 1 Quiz Ch 1&2, Tutor Assignment Ch 1&2

Week 2 Quiz Ch 3&4, Tutor Assignment Ch 3&4

Week 3 Quiz Ch 5&6, Tutor Assignment Ch 5&6

Week 4 Exam 1

Week 5 Quiz Ch 7, Tutor Assignment Ch 7

Week 6 Quiz Ch 9&10, Tutor Assignment Ch 9&10

Week 7 Quiz Ch 11, Tutor Assignment Ch 11

Week 8 Exam 2

Week 9 Quiz Ch 12, Tutor Assignment Ch 12

Week 10 Quiz Ch 17, Tutor Assignment Ch 17

Week 11 Quiz Ch 18, Tutor Assignment Ch 18

Week 12 Exam 3

Week 13 Quiz Ch 19, Tutor Assignment Ch 19

Week 14 Quiz Ch 20, Tutor Assignment Ch 20

Week 15 Quiz Ch 21, Tutor Assignment Ch 21, plus Exam

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](#).