CHEM 1220 - Principles of Chemistry II (Honors)

Instructor: Dr. Charles Wight
Office: MA 302, 801-626-6001
Office Hours: By appointment or drop-in.
Email: cwight@weber.edu

Supplemental Instructor: TBA

Lectures: TR 9:00-10:15AM, TY 240

Texts:


Course Description: CHEM 1220 is the second course in a series designed for chemistry majors and others who will take more than one year of chemistry (e.g., other science majors, pre-medical, clinical laboratory science and some engineering students). The course teaches chemistry from a molecular point of view, with emphasis on kinetics, thermodynamics and chemical equilibrium. This special Honors section of the course will be hybrid course taught by the WSU president and will involve only 7 students with an interest in going on to earn departmental Honors. The course will emphasize individual study online, peer collaboration, group discussion and fun.

Important Announcements: All announcements outside of class time will be made through the Canvas learning management system on WSU Online. In Canvas, click “Profile” and make you're your email address is correct. If you don’t check email, click on “add contact method” to get text messages. Click “Notifications” and set the announcement setting to ASAP for whatever method you will access often. Failure to receive messages is not a valid excuse so please take care of this promptly.

Attendance: Class attendance is mandatory. Please be respectful of your classmates by coming to class on time and muting all cell phones and other electronic devices.

Point Distribution:

1. Class participation 100
2. Group assignments 100
3. ChemVantage quizzes 100
4. ChemVantage homework 100
5. Laboratory reports and prelabs 200
6. Midterm Exams (3 @ 100/ea) 300
7. Departmental Final Exam 100
8. Total Possible Points 1000
**Final Grade:** Any student receiving lower than a 60% from the laboratory section of the course will receive a failing grade of E or UW for the entire course. Your final grade is based on the percentage of total possible points earned:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92%</td>
</tr>
<tr>
<td>B+</td>
<td>87-89%</td>
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<tr>
<td>B</td>
<td>83-86%</td>
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<tr>
<td>B-</td>
<td>80-82%</td>
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<tr>
<td>C+</td>
<td>77-79%</td>
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<tr>
<td>C</td>
<td>73-76%</td>
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<tr>
<td>C-</td>
<td>70-72%</td>
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<tr>
<td>D+</td>
<td>67-69%</td>
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<tr>
<td>D</td>
<td>63-66%</td>
</tr>
<tr>
<td>D-</td>
<td>60-62%</td>
</tr>
<tr>
<td>E</td>
<td>0-59%</td>
</tr>
</tbody>
</table>

Final grades will be posted in Canvas at the end of the semester.

**Late Work:** Late work can only be made up with special permission. Make ups are available only with an approved excuse and proper PROMPT notification to the instructor via Canvas, email and/or telephone (see above).

**Academic Integrity and conduct:** Cheating and other forms of academic dishonesty will not be tolerated. The policy of the Weber State University Student Code found at [http://weber.edu/ppm/6-22.htm](http://weber.edu/ppm/6-22.htm) will be enforced.

**Students with Disabilities:** Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 221 or at phone extension 3524. SSD can also arrange to provide course material in alternative formats if necessary.

**Tutoring:** Tutoring is available on a first come first served basis at The Science Learning Center in SL 228. Contact Jeanne Sanchez at 801-626-7955 or jpierce@weber.edu. Chemistry tutoring at Davis is available by appointment at [http://www.weber.edu/DavisASSP/Services/tutoring.html](http://www.weber.edu/DavisASSP/Services/tutoring.html). For electronic tutoring, go to [https://www.etutoring.org/login.cfm?institutionid=291](https://www.etutoring.org/login.cfm?institutionid=291). Login with your WSU ID and password to access this service.

**Laboratory:** The laboratory is a critical tool for learning chemistry. A laboratory grade of lower than 60% will result in an E grade for the course regardless of your score in the class. Prelab assignments and Lab Reports will all be submitted on Chitester from any computer with internet access. Pay careful attention to the due dates. There will be no prelab due the first week, but you will need to attend your scheduled lab time the first week to check in to your locker. Prelabs must be completed each week by Wednesday at 8:30AM. Lab reports must be completed by the following Friday at 5:00 PM. Failure to return your laboratory key and check out of your locker will result in severe penalties that may include a letter to the Dean of Students and an E grade in Chem 1220.

**ChemVantage Quiz and Homework Sets:** Quiz and homework assignments are due weekly. You must access these assignments by clicking the assignment link in Canvas. Your scores will be
posted automatically in the Canvas gradebook. You may repeat each quiz or submit answers to homework problems as often as desired prior to the deadline to improve your score. You may collaborate with classmates, search the Internet or any other resource to find the solutions to quiz and homework problems; however, each student must submit his/her own solutions in Canvas to receive credit.

**Exams:** There will be 3 midterm exams, each covering a subset of topics in the course, plus a comprehensive final exam. Midterm exams will be completed using the ChemVantage online tool. No collaboration, outside help or other resources (books, web pages, etc.) may be used during practice exam sessions, but a scientific calculator may be used. The final exam will be an in-class comprehensive standardized exam furnished by the American Chemical Society. All sections of CHEM 1220 will take this exam.

**This is a hybrid course:** Students are expected to spend at least 10 hours per week engaged in individual or group work outside of class. Technical assistance for working with Canvas can be found at Lampros hall. For 24 hour computer support, call (801) 626-7777. If you have a question that needs immediate attention, your best bet is sending an email to cwight@weber.edu.

**Writing Assignments:** Some of the work in this class will be carried out in learning teams, including group writing assignments. Usually, collaborative writing assignments will be completed using Google Docs, so you should register your weber.edu Google Docs account in your Canvas Profile. To do this, login to Canvas, click the Profile link in the upper right corner, and click the button for Google Docs to login to your account.

**Course Fees:** Fees for this course are used to defray the cost of chemicals and other expendable laboratory materials, as well as for the purchase, maintenance and repair of laboratory equipment. To help minimize lab fees, students should (are expected to) exercise careful use of chemicals, glassware, and laboratory equipment.

**Emergency Plan:** Should there be a multiday campus closure due to a health, safety, or other cause, the course will continue online using WSUonline. Campus shutdowns and emergencies are announced first by the WSU Code Purple service. Go to http://www.weber.edu/codepurple/ for instructions on how to subscribe to this service.