

Chemistry 200 General Chemistry

A combined 5 unit lecture-laboratory course. It consists of a main lecture period, a Discussion section and hands-on Laboratory Experiments.

Location and time: AL-201 (Arts and Letters Building), MWF 2:00 pm – 2:50 pm

Instructor: Dale Chatfield, Ph.D. <https://chemistry.sdsu.edu/faculty/Chatfield>
Office: CSL-227 Office Hours: 3:00-4:30 pm MW, or scheduled zoom sessions



Email: All correspondence must go to chem200@sdsu.edu. Do not send email for instructors or TA's to Canvas as it not checked.

Your email address: Students are provided with an SDSU Gmail account, and this [SDSU email address](#) will be used for all communications. Per University Senate policy, students are responsible for checking their official university email once per day during the academic term. Instructors and TA's are not at liberty to respond to messages sent from external emails. Your TA's and your instructors are not required to be available more than regular business hours (Monday – Friday, 8am to 5pm). If you contact them outside these hours, you may not receive a response until the next business day.

Prerequisites

The prerequisites for CHEM 200 are one year of high school chemistry, two years of algebra, and a passing score on the Placement Test, or a passing grade (a C or higher) in Chem 100.

Required Materials

TEXTBOOK: *Openstax Chemistry Book 2e:* <https://openstax.org/details/books/chemistry-2e>

Free to download PDF via OpenStax Website. A hardcopy will be available in the bookstore for those who want to use a bound copy.

LAB MANUAL W/ INTEGRATED LAB NOTEBOOK

Available at the bookstore. You must have the physical lab manual to bring to lab each week, and you must use the integrated lab notebook. No substituting other types of lab notebooks.

LAB EQUIPMENT

Everything you need is available at the SDSU bookstore. You will need a lab coat/apron, safety glasses (not goggles!) as well as nitrile gloves. More information about the require lab equipment will be given on your first lab meeting

SCIENTIFIC CALCULATOR

Needs to be scientific, but non-graphing and non-programmable. **Your Cell Phone is not a substitute for a calculator!** You will not be able to use your phone in the laboratory.

COMPOSITION NOTEBOOK (recommended)

We highly recommend everyone use a composition book in order to work on the problem sets and notes from the Discussion sessions. Keeping good notes can make your studying more efficient.

Waitlist Information

If you are attempting to waitlist CHEM 200, you should attend every possible lab section, discussion, and lecture that will fit into your schedule. And keep track of which discussion and lab you attended. **Please go to the CHEM 200 website: sdsu.edu/chem200 for materials for this course.** Remember, you are 100% responsible for all assignments that are due and to keep up with the work. ***Waitlist students who are attempting to register for the course should email: chem200@sdsu.edu with their name and Red ID info ASAP.***

This syllabus and schedule are subject to change if the instructor deems it is necessary.

Online Resources

CANVAS: Canvas will be used in this course. Enrollment in Canvas is automatic if you are currently enrolled in this course. Canvas will contain all of the course information and assignments. Canvas will also be used for all course communication so you should check Canvas regularly to keep up to date on important announcements. All assignments for this course will be turned in on Canvas. Your instructors and TA's are available to answer any questions about Canvas, but it is ultimately your responsibility to troubleshoot any technical issues. Late assignments will not be accepted, including those that were not successfully submitted due to technical difficulties. Make sure to check your submissions after you upload to ensure that your TA is able to see your work for grading.

OWL LECTURE: OWL Lecture will be where you access your Chapter Problem Sets, Chapter Assessments and EXAMS. Directions for enrolling in OWL Lecture can be found on Canvas or on the Chem 200 website. **YOU SHOULD USE GOOGLE CHROME WHILE USING OWL.** Many issues can be solved by accessing OWL in Incognito Mode. If you are having issues with OWL, clear your cache and cookies and then try to access the program again.

OWL LABS: You will need to enroll in a different OWL section to access your Lab assignments. OWL Labs will be where you complete your Lab Pre-Assignments as well as the lab safety quiz.

TOP HAT: Top Hat will be used to record your attendance in both Lecture and Discussion. Instructions for using Top Hat will be given on the first day of lectures as well as in discussion. Top Hat will allow you to participate in lectures and discussions by answering questions during the presentation. Participation in Lecture will be for extra credit. Participation in Discussion is mandatory.



Are You Ready For CHEM 200?

ASSUME THIS CLASS WILL REQUIRE A MINIMUM OF 15 HOURS
OF YOUR TIME PER WEEK EVERY WEEK TO COMPLETE

Chemistry 200 is a demanding, 5-unit course which requires an enormous amount of time and your commitment to work hard! It requires a weekly commitment of time and cannot be passed by leaving assignments up to the deadlines to complete and merely cramming for exams. Please do NOT take this course unless you are prepared to commit the necessary time and hard work. It is advisable that you make Chemistry 200 the major focus of your semester and that you do NOT overburden yourself with an unmanageable course load while taking this course. YOUR success is our success, and we want you to succeed in this course. YOUR success requires a large time commitment and hard work - please do NOT take this course unless you are willing to allow sufficient time to study, attend ALL lectures, and attend ALL labs with preparation in advance. You will enjoy your semester in Chemistry 200 - and you will benefit in the sciences so much more from all that you learn - if you allow yourself the time necessary to work hard and succeed. PLEASE ALLOW ADEQUATE TIME IF YOU TAKE THIS COURSE!

Online Submission Policy

The deadlines for the online assignments, including lab reports, pre-labs, OWL Assignments, and other assignments are hard deadlines and extensions will not be granted. All assignments will be scheduled with sufficient time to allow you to complete the assignment in advance of the "last minute". *Consequently, you are solely responsible for any failures to complete the assignment by the scheduled time.* Problems such as lack of internet service, OWL site problems, or dogs eating WiFi routers will not be acceptable reasons for not completing the assignments. *You are encouraged to complete the assignments well before the deadlines to avoid potential technological obstacles.* If you have any personal technology issues the [Library Computing Hub](#) provides computing and technical support for students. In the case of an extended system-wide failure the instructors will be notified by the site operator and steps will be taken to accommodate any problems that arise.

For all technical difficulties or errors that arise with the **OWL** system **please contact Cengage technical support staff directly by phone and email.** The instructors, lab coordinator, and TAs are not IT support and will not be able to help you with anything but the most basic common issues.

Attendance Policy

LECTURE: Lecture attendance is encouraged but optional. Exam and quizzes will be based primarily on the contents presented in lectures. You are also able to attend the 11:00 am Chem 200 lecture given in ENS280. The content in the two lecture sessions will not be exactly the same.

LAB AND DISCUSSION SESSIONS: You are required to attend the Lab and Discussion Section in which you are enrolled. **Attendance is mandatory and students who miss more than 30% of the lab or discussion meetings will not receive a passing grade in this course.** There will be no opportunity to make-up lab or discussion work. You can miss one lab or discussion, for any reason, without negative impact to your grade. Missing more than one lab or discussion session will result in missed points that you will not be able to make up. If you need to miss more than one lab or discussion, email the lab coordinators at chem200@sdsu.edu immediately.

EXAMS: Exams are taken online and **MUST** be taken within the scheduled 24 hour window. **Proper documentation is required to avoid receiving a grade of zero on a missed course component two weeks into the semester (by 09/05/2023).** There will be no makeup exams outside of extenuating circumstances (e.g. *illness during the 24 hr exam period*). It is your responsibility to ensure that you will be available for online exams with proper internet accessibility and bandwidth. Excused absences for exams will only be awarded in the case of legitimate reasons (illness, scheduled academic/athletic events, court appearances, religious observances). Preplanned vacations and family events do not constitute a legitimate reason.

MEDICAL ABSENCES: If you must miss a Lab or Discussion class due to illness, injury or emergency, please note the following.

University policy instructs students to contact their professor/instructor/coach in the event they need to miss class due to an illness, injury, or emergency. All decisions about the impact of an absence, as well as any arrangements for making up work, rest with the instructors. Please see the above Attendance policy.

If a student misses class because of COVID-19, either because they have been diagnosed and are quarantined or are required to isolate and would like to request a class excuse letter, the student should send an email to vpsafontdesk@sdsu.edu to notify the university. Student Affairs and Campus Diversity will initiate the process for absent letters to be sent to course instructors, Assistant Deans, and the Provost.

Medical documentation is usually required prior to the letter being issued.

[Student Health Services](#) (SHS) does not provide medical excuses for short-term absences due to illness or injury. When a medical-related absence persists beyond five days, SHS will work with students to provide appropriate documentation.

When a student is hospitalized or has a serious, ongoing illness or injury, SHS will, at the student's request and with the student's consent, communicate with the student's instructors via the Vice President for Student Affairs and Campus Diversity and may communicate with the student's Assistant Dean and/or the [Student Ability Success Center](#).

Resources to Help You Succeed

MSLC: Students are encouraged to make use of the Mathematics and Science Learning Center (MSLC) for **free** STEM tutoring, located in the Love Library, Room 328. For a full list of courses tutored, please visit the MSLC website: <https://mlc.sdsu.edu/>. The MSLC is supported by your student success fee. We strongly encourage you to use this wonderful, free resource. **The help hours for both Instructors and TAs will be provided on Zoom through the MSLC website. The tutors will be available in-person and via zoom in the MSLC.**

Here is how it works! Some students believe that they shouldn't need to ask for help, but research has shown that the average grade for students who attend tutoring is higher than those who don't seek such support. The TA & Instructor Help Room for this course will also be held in the MSLC. Help is available both in-person and over Zoom. Please check <https://mlc.sdsu.edu/> for the hours and format (face-to-face or virtual) for your course.

SUPPLEMENTAL INSTRUCTION: *Free* study sessions designed to keep you up to date with the course. SI Sessions are open to all students, and you can attend as many sessions as you want throughout the semester. Participation is completely *voluntary*, and the instructor does not know who participates. SI Sessions are led by an SI Leader, a *current student* who has recently successfully completed the course. Students who participate in SI Sessions typically earn higher final course and exam grades than students who do not participate, sometimes by a half to a full letter grade.

Why Attend SI?

- Helps you keep up with the class material
- Study with other students in live time (don't study alone!)
- Meet other students from the class
- Improve your grade



CHECK OUT THE SI CALENDAR: bit.ly/chem200sicalendar

SI Program: bit.ly/SlatSDSU

Meet the SI Leaders: caa.sdsu.edu/supplemental-instruction/leaders

Test Accommodations

If you are a student with a disability and are in need of accommodation for this class, please contact Student Ability Success Center at sascinfo@sdsu.edu (or go to sdsu.edu/sasc) as soon as possible. Please know accommodations are not retroactive, and I cannot provide accommodations based upon disability until I have received an accommodation letter from Student Ability Success Center. SASC registration and accommodation approvals may take up to 10-14 business days, so please plan accordingly.

Learning Outcomes

Below is a summary of what students should be capable of upon the successful completion of this course.

- Perform calculations with the correct number of significant figures with a variety of SI units.
- Name and write a range of simple ionic and molecular formulas.
- Describe the structure of atoms and the various classes of compounds that they can form. Classify the different states of matter and describe each state at the molecular level.
- Use Avogadro's number and reaction stoichiometry to calculate the amounts of reactants and products involved in chemical reactions.
- Write and balance chemical reactions.
- Describe the major classes of chemical reactions at a molecular level and perform stoichiometric calculations related to these reactions.
- Describe, manipulate, and use the ideal gas law.
- Describe the kinetic-molecular theory of gases and how it deviates from real gas behavior. Perform calculations on the exchange of heat in thermochemical processes.
- Calculate the enthalpy of chemical reactions.
- Describe and apply the quantum theory rules of atomic structure.
- Describe the electron configurations of many electron atoms.
- Use trends in atomic properties to compare different elements.
- Differentiate and describe the various models of chemical bonding.
- Compare and calculate bond energies.
- Draw and identify molecular structures based on the Lewis and VESPR models.
- Describe covalent bonding in terms of the valance bond and molecular orbital theories.
- Define the various changes of physical states for a substance and quantify the related enthalpy changes.
- Describe and differentiate the various forms of intermolecular forces.
- Describe and predict solubility in terms of intermolecular forces.
- Quantify the influence of solutes on the colligative properties of solutions.
- Quantify the enthalpy changes associated with dissolution of solutes.

Finding Help on Campus

Need help finding help -- an advisor, tutoring, counselling, or emergency economic assistance? The SDSU Student Success Help Desk is here for you. Student assistants are available via Zoom Monday through Friday, 9:00 AM to 4:30 PM to help you find the office or service that can best assist with your particular questions or concerns.

- CAL Student Success Center: <https://cal.sdsu.edu/student-resources/student-success>
- College of Education Student Success Center: <https://education.sdsu.edu/oss>
- Center for Student Success in Engineering: <https://csse.sdsu.edu/>
- CoS Student Success Center: <https://cossuccess.sdsu.edu/12>

OWL ASSIGNMENTS

Please note there are two OWL pages: **OWL Lecture** and **OWL Labs**, which separates the lecture and lab assignments. Before you begin there will be five Getting Started with OWL Assignments in the OWL Lecture, which you **must** complete before you attempt any other assignments in the OWL program. **If you do not see the assignments click on Show All Assignments.** Attempting to use OWL without understanding how the program works can lead to issues later on. Please take notes while you are doing these four assignments since the topics will be covered later. **IMPORTANT REGARDING THE OWL DEADLINES:** The OWL program does not allow me to use the :59 so I am giving you one extra minute; my other option was :55 and you lose 4 minutes. So just remind yourself that it is due on "Day of the Week" at 11:59 pm so you don't confuse yourself.



The following assignments can ALL be found in OWL Lecture:

Math Review (Optional) The Math Review is to help refresh your memory and your knowledge on basic math skills and algebra skills you need in this course.

General Chemistry Review (Optional): General Chemistry Review is an assessment review on key chemistry concepts and essential skills to help you determine if you are ready for Chem 200. There will be 34 questions in the quiz that will assess your knowledge on chemistry concepts and essential skills in chemistry. . This assignment (the graded quiz) can replace Chapter 1 and 2 Problem Sets; if you choose to do it. You have unlimited tries to receive a perfect score and there will be no 85% adjustment if you choose to do this assignment over the Chapter 1 and 2 Problem Sets.

Chapter Problem Sets: There will be an assigned chapter problem set from each of the 11 chapters covered in the text. **Work on the problems several days before it's due so you have time to go to the help room and ask for more help. Never wait until the last day to work on the problem set,** otherwise you will be rushing through the assignment and instead of learning how to break down problems and theories to better equip you for the exams.

Full points can be obtained for each chapter's problem set by scoring above 85% on the problems for that chapter.

Example: A score of 74% results in 8.7 out of a possible 10 points $[74\% \div 85\%] \times 10 = 8.7$ points]

It is in your best interest to complete all the problem sets to ensure that you are fully prepared for the exams. The adjusted points will be calculated **throughout the semester. Please watch your email for important announcements regarding the uploads.** Errors occur due to incorrect RedID, multiple OWL accounts, and/or your work is in the wrong section.

Chapter Assessments: Chapter Assessments (OWL Lecture) are hard deadlines and extensions will not be granted. **You will have two attempts at the chapter assessment.** The Chapter Assessments questions are to assess your learning of that Chapter and to help prepare you for the exam. Do not wait until the last minute to complete the prep.

Exams: Exams for this course will be given online on OWL Lecture. Exams will be available on the scheduled days from 3:00 pm on Friday until 3:00 pm on Saturday. To ensure your Exam runs smoothly, be sure to use Chrome and clear your cache and cookies before you begin the exam. Having additional tabs open can affect the performance of the program. Close all other browser windows and do not open any new windows while taking the exam.

The Chem 200 Lab Component



The labs begin promptly at the start of the hour- so don't be late. The TA's may penalize you if you are consistently late. Lab attendance with your lab manual and proper attire for the activities of that day is mandatory. If you don't have the required attire, you will be asked to leave the lab and not return until you are properly attired.

Lab Schedule

The laboratory experiments you will perform are in sequence in your Lab Manual . The weekly dates of each experiments are listed here:

Week of	Lab Topic	Expt #
8/21	No Lab Meetings the first week of class	-
8/28	Lab Safety Discussion	-
9/4	No Lab Meetings (Labor Day)	-
9/11	How to Write a Pre-Lab and Keep a Lab Notebook	0
9/18	Use of Volumetric Equipment	1
9/25	Qualitative Analysis and Locker Check-in	2
10/2	Limiting Reagent	3
10/9	Standardization of NaOH	4

10/16	Molar Mass of Citric Acid	5B
10/23	Calorimetry I: Specific Heat Capacity	6
10/30	Calorimetry II: Enthalpy of Reaction	7
11/6	Analysis of an Aluminum Zinc Alloy	9
11/13	Freezing Point Depression	10
11/20	No Lab Meeting	-
11/27	TA Seminar/Lab Practical Review and Locker Check-Out*	-
12/4	Lab Practical	-

LAB Assignments

The Lab Safety session on the week of 8/28 is NOT one of the Lab Assignments that you can drop. For safety and liability reasons, it is very important to attend this lab session. Locker check-out will take place on the week of 11/27 and you may receive a \$35 fee if you are not present to check out your locker. If you are not able to attend this lab session, contact the lab coordinators immediately at chem200@sdsu.edu

Lab Safety Quiz (OWL Labs): The lab safety quiz must be completed with a grade of 60% or higher before you work in the laboratory. If you fail to achieve a 60% or higher on the online quiz, the lab coordinator will give you a paper quiz. Once you pass the paper lab safety quiz you will be allowed to attend lab. Note: The lab safety quiz will need to be completed by Friday, September 9th at 11:59 pm. The paper quiz will not replace your original lab safety quiz grade. Worth 10 points out of 15 for the Lab Safety portion of the grade.

EH&S REQUIRED Lab Safety Form (Canvas): This course requires the use and handling of hazardous materials. You must complete the Environmental Health and Safety module and survey in our Canvas course by Friday, September 17th at 11:59 pm. If you do not complete the form by the deadline you will not be allowed to enter the labs until it has been completed. Worth 5 points out of 15 for the Lab Safety portion of the grade.

Lab Pre-Assignment (OWL Labs): This is to help you prepare yourself for the lab you will be doing. There will be calculations, safety questions, and topic questions to help you understand what you are doing in the lab. This assignment is due on Sunday at 11:59 PM the week of the experiment.

Pre-labs: Pre-Labs will need to be submitted to **Turnitin in Canvas** for you to receive a grade for your prelab and lab report. Failure to send your prelab and lab report before your prelab and lab report is due will be an automatic zero. **Pre-labs and lab reports that are plagiarized will be an automatic zero and will be reported.** *Make sure you turn in the proper prelab and lab report into the correct Turnitin folder in Canvas. Failure to do so will result in a point penalty at the discretion of the lab coordinator. If you have issues with submitting your lab report and/or prelab, email chem200@sdsu.edu and your lab TA with a PDF file of the report BEFORE the deadline. One-minute late assignments are still late assignments and will receive a zero.* Pre-labs are due on Sundays at 11:59 pm **before** the lab period

Lab Reports: You will perform your lab experiments during your lab session on either Monday or Tuesday. Your Lab Report will be due that Sunday at 11:59 pm. You must be present during your scheduled lab session in order to collect the data for your lab report and TA's will confirm your attendance that week before they grade your lab report. You may be asked to verify your attendance by presenting your notebook pages with your TA's signature.

Notebook Checks: There will be two notebook checks at random during the semester. A TA will check your handwritten data for each experiment to verify that you have been recording the data and performing all of the calculations in your lab notebook. For more information on the expectations for the notebook checks, please refer to your Notebook Check Form.

TA Seminar: The TA seminar will give you an opportunity to learn about some of the work and research happening here at SDSU. Your TA's will present their work and you will be writing an Essay on the presentations that you see. The TA seminar will occur during your scheduled lab period. The TA seminar is not one of the assignments available to drop. If you have any questions about the TA seminar, please ask your lab TA.

Lab Practical: The Lab Practical will be the final assignment for the lab portion of this course. It will consist of a hands-on portion which will test you on the practical lab skills that you learned during the semester. This part will be completed during your scheduled lab section on either 12/4 or 12/5. The second part of the lab practical will be completed online (In OWL LECTURE!) and will test you on data analysis and important concepts that you learned in

the lab. The online portion will be available at 8:00 am on Monday, 12/4 and be available 8:00 pm on 12/5 (36 hours total).

The Discussion Sessions

These are extra lecture session to go over concepts, calculations, and theory from the lectures. You will need to print the discussion worksheet (provided on the Chem 200 website) and try several of the problems by yourself before discussion. The experienced TA will help you with your questions and/or have you ask other students to help bring more of a discussion of concepts that are not being understood. Discussion is worth 10 points for participation and 5 points for a Discussion Wrap-Up, for a total of 15 points. The Discussion Wrap-Up is a couple of questions based on the topics of that week's discussion worksheet. Some discussion sessions will be a review session for the upcoming exam using an app called Kahoot. Kahoot is a game based learning platform: to play, learn, and have fun in a team setting answering questions on the theory and calculations of the upcoming exam.



Attendance: Discussion attendance is mandatory, and you will not receive credit for sessions that you do not attend. It will be important to arrive at your discussion session on time. Failure to arrive within the first 10 minutes of your discussion session will result in the loss of 5 out of the 15 points available for that discussion. There will be 14 discussion meetings during the semester. You will be graded on your best 13 scores. This means that you can miss one discussion meeting for any reason without negative impact to your grade. If you need to miss more than one discussion meeting, email your TA and CC your lab coordinator at chem200@sdsu.edu.

Discussion Schedule

Week of	Lab Topic
8/21	No Discussion Meetings
8/28	Significant Figure, Units, Dimensional Analysis
9/4	Limiting Reagent, Percent Yield, Stoichiometry
9/11	Exam 1 Review
9/18	Exam 1 Analysis
9/25	Thermochemistry
10/2	Atomic Emission
10/9	Exam 2 Review
10/16	Exam 2 Analysis
10/23	VSEPR
10/30	Molecular Orbital Diagrams and Hybridization
11/6	TBD
11/13	Exam 3 Review
11/20	No Discussion Meeting
11/27	Exam 3 Analysis
12/4	Final Review

Discussion Assignments

WARM – UP QUESTIONS: During the first 10 minutes, your discussion TA will present the discussion topics for that day, and you will answer 2-3 warm-up questions. The Warm-Up will be worth 5 points. These questions will not be scored for correctness, but you must be present for the warm-up in order to earn these points.

ATTENDANCE POINTS: 5 of the 15 points will be awarded for showing up to discussion (even if you are late). Your TA will confirm your attendance by verifying that you have answered the wrap-up questions.

WRAP-UP QUESTIONS: The Wrap-Up questions WILL be graded for correctness. There will be 5 points available for the wrap-up.

Assignment Due Date Schedule

These dates will be announced in Canvas and in OWL as reminders for you.

Date	Assignment	Submission Location
Su 09/10	How to Write a Pre-Lab Assignment	Canvas
	How to Keep a Lab Notebook Assignment	Canvas
Th 09/14	OWL Exam 1 Assignments	OWL Lecture
F 09/15	Lab Safety Quiz	OWL Labs
	EH&S form	Canvas
Sa 09/16	Exam 1	OWL Lecture
Su 09/17	Pre-Assignment: Volumetric Equipment	OWL Labs
	Pre-Lab: Volumetric Equipment	Canvas
Su 09/24	Pre-Assignment: Qualitative Analysis	OWL Labs
	Pre-Lab: Qualitative Analysis	Canvas
	Lab Report: Volumetric Equipment	Canvas
Su10/01	Pre-Assignment: Limiting Reagent	OWL Labs
	Pre-Lab: Limiting Reagent	Canvas
	Lab Report: Qualitative Analysis	Canvas
Su 10/08	Pre-Assignment: Standardization of NaOH	OWL Labs
	Pre-Lab: Standardization of NaOH	Canvas
	Lab Report: Limiting Reagent	Canvas
Th 10/12	OWL Exam 2 Assignments	OWL Lecture
Sa 10/14	Exam 2	OWL Lecture
Su 10/15	Pre-Assignment: Molar Mass of Citric Acid	OWL Labs
	Pre-Lab: Molar Mass of Citric Acid	Canvas
	Lab Report: Standardization of NaOH	Canvas
Su 10/22	Pre-Assignment: Calorimetry I: Specific Heat Capacity	OWL Labs
	Pre-Lab: Calorimetry I: Specific Heat Capacity	Canvas
	Lab Report: Molar Mass of Citric Acid	Canvas
Su 10/29	Pre-Assignment: Calorimetry II: Enthalpy of Reaction	OWL Labs
	Pre-Lab: Calorimetry II: Enthalpy of Reaction	Canvas
	Lab Report: Calorimetry I: Specific Heat Capacity	Canvas
Su 11/05	Pre-Assignment: Analysis of an Aluminum-Zinc Alloy	OWL Labs
	Pre-Lab: Analysis of an Aluminum-Zinc Alloy	Canvas
	Lab Report: Calorimetry II: Enthalpy of Reaction	Canvas
Su 11/12	Pre-Assignment: Freezing Point Depression	OWL Labs
	Pre-Lab: Freezing Point Depression	Canvas
	Lab Report: Analysis of an Aluminum-Zinc Alloy	Canvas
Th 11/16	OWL Exam 3 Assignments	OWL Lecture
Sa 11/18	Exam 3	OWL Lecture
Su 11/19	Lab Report: Freezing Point Depression	Canvas
Su 12/3	TA Seminar Report	Canvas
Tu 12/5	Lab Practical Problem Set	OWL Lecture
Th 12/7	OWL Ch 9.4-9.6, 10 and 11 Assignments	OWL Lecture
Sa 12/9	Final Exam	OWL Lecture

Point Distribution

Assignment	Points Per Assignment	Number of Assignments	Total	Percentage
Lab Safety and EH&S form	15	1	15	0.9%
Lab Pre-Assignments	5	9	45	2.6%
Lab Pre-Labs	5	Best 9 of 10	45	2.6%
Lab Reports	15	Best 9 of 10	135	7.8%
TA Seminar	30	1	30	1.7%
Lab Notebook Check	10	2	20	1.1%
Lab Practical	801	1	80	4.6%
Discussion	15	Best 13 of 14	195	11.2%
Chapter Problem Sets	10	11	110	6.3%
Chapter Assessments	15	11	165	9.5%
Exams	225	4	900	51.7%
TOTAL			1740	100%

Grading Scheme

Your letter grade will be determined by your individual points total for the course. There will be no curving of the course grades. Below is a tentative grade range breakdown for each letter grade based on the percentage of total points. The instructors reserve the right to universally modify this grade scale prior to assigning final letter grades.



Letter	Percentage	Letter	Percentage
A	> 90%	C+	68-72%
A-	85-90%	C	63-68%
B+	81-85%	C-	59-63%
B	76-81%	D	53-59%
B-	72-76%	F	<53%

Note: Please check your grade frequently, especially after each exam. Email chem200@sdsu.edu if you think there is a calculation mistake. At the end of the semester, when grades are finalized, email only if there is a calculation mistake.

Inclusion in this Course

The CHEM 200 course instructors and TAs are committed to providing a safe and productive environment to all members of its community. Diversity, equity, and inclusion play a crucial role in making this possible. A diverse community allows for greater breadth of experiences and perspectives, both of which often lead to greater knowledge and understanding. An equitable environment aims to nullify systemic disadvantages and ensure fair treatment and equality of opportunity for all. Inclusion efforts create a feeling of belonging by actively inviting the contribution and participation of all people in our community. The American Chemical Society (ACS) recognizes the importance of diversity and inclusion, and their Chemist's Code of Conduct calls on chemical professionals to treat others with respect, not engage in discrimination, and be mindful of implicit bias and unconscious bias. Thus, we continually aim to foster an environment that respects and understands differences in race, ethnicity, national origin, religion, gender identity, sexual orientation, age, disability, economic status, and other circumstances. The course has been created with equity and diversity in mind and are working with publishing companies who uphold these beliefs.

Policy on Cheating/Plagiarism

There is a zero tolerance policy regarding plagiarism in this course. Any instances of cheating or plagiarism identified by the TA, lab coordinator, or the instructors, will result in a meeting between the instructor and student(s) following which the instance and documentation of plagiarism will be reported to the Academic Senate as well as the student receiving a grade of F for the course. It is your responsibility to know what constitutes cheating and plagiarism. For example, turning in a lab report for a lab that you have not performed, or the results of a lab that you had completed in a prior semester (self-plagiarism), both constitute cheating and plagiarism and will be reported - all students must perform their own analyses in the labs.

Preferred Names & Pronouns

Any student who wishes to be addressed by a name other than what is presented in Canvas is encouraged to contact the professor via email with the name you wish to use in this course. Similarly, if you have preferred pronouns that you wish to be addressed by please contact your professor. The professor will communicate your desires to the TAs and all instructional staff will gladly honor your request.

Sexual Violence / Title IX mandated reporting: As an instructor, one of my responsibilities is to help create a safe learning environment on our campus. I am a mandated reporter in my role as an SDSU employee. It is my goal that you feel able to share information related to your life experiences in classroom discussions, in your written work, and in our one-on-one meetings. I will seek to keep the information you share private to the greatest extent possible. However, I am required to share information regarding sexual violence on SDSU's campus with the Title IX coordinator, Jessica Rentto 619-594-6017. She (or her designee) will contact you to let you know about accommodations and support services at SDSU and possibilities for holding accountable the person who harmed you. Know that you will not be forced to share information you do not wish to disclose and your level of involvement will be your choice. If you do not want the Title IX Officer notified, instead of disclosing this information to your instructor, you can speak confidentially with the following people on campus and in the community. They can connect you with support services and discuss options for pursuing a University or criminal investigation. Sexual Violence Victim Advocate 619-594-0210 or Counseling and Psychological Services 619-594-5220, psycserv@sdsu.edu. For more information regarding your university rights and options as a survivor of sexual misconduct or sexual violence, please visit titleix.sdsu.edu or sdsutalks.sdsu.edu.

SDSU Economic Crisis Response Team: If you or a friend are experiencing food or housing insecurity, technology concerns, or any unforeseen financial crisis, it is easy to get help! Visit sdsu.edu/ecrt for more information or to submit a request for assistance.

SDSU's Economic Crisis Response Team (ECRT) aims to bridge the gap in resources for students experiencing immediate food, housing, or unforeseen financial crises that impacts student success. Using a holistic approach to well-being, ECRT supports students through crisis by leveraging a campus-wide collaboration that utilizes on and off-campus partnerships and provides direct referrals based on each student's unique circumstances. ECRT empowers students to identify and access long term, sustainable solutions in an effort to successfully graduate from SDSU. Within 24 to 72 hours of submitting a referral, students are contacted by the ECRT Coordinator and are quickly connected to the appropriate resources and services. For students who need assistance accessing technology for their classes, visit our ECRT website (sdsu.edu/ecrt) to be connected with the SDSU library's technology checkout program.

Land Acknowledgement: For millennia, the Kumeyaay people have been a part of this land. This land has nourished, healed, protected and embraced them for many generations in a relationship of balance and harmony. As members of the San Diego State University community we acknowledge this legacy. We promote this balance and harmony. We find inspiration from this land; the land of the Kumeyaay. As students, faculty, staff and alumni of San Diego State University we acknowledge this legacy from the Kumeyaay. We promote this balance in life as we pursue our goals of knowledge and understanding. We find inspiration in the Kumeyaay spirit to open our minds and hearts. It is the legacy of the red and black. It is the land of the Kumeyaay. 'eyay e'haan My heart is good.