

CHEM 100: Preparation for General Chemistry – Fall 2025

COURSE INFORMATION

Lecture time/Location: 1:00 pm to 1:50 pm Mon, Wed & Fri in ENS 280

Lab times/locations: Your schedule lists your lab section time and location; labs meet in Chemical Sciences Laboratory (CSL) on the 5th floor.

Modes of instruction: In-person lectures and laboratories. Attendance is **absolutely required** for **all** lectures and lab sessions. Lab teaching assistants (TAs) will take attendance during the lab session.

The learning management system (LMS) for both lecture and labs will be Canvas.

All homework will be administered online.

All 4 Exams will take place in class in ENS 280

Instructor: Dr. John Love (jlove@sdsu.edu)

Dr. Love's Office Hours: Mondays and Tuesdays from 4:00 to 5:00 PM pm in GMCS 217.

Course Coordinator: Prof. Laurie Clare	Email: lclare+chem100@sdsu.edu
Contact for all questions related to the <u>waitlists, labs, or course assignments</u> . Your question may be directed to the instructor.	
Tech Coordinator: Prof. Alex Hoffer	Email: ahoffer@sdsu.edu
Contact her for all technical questions related to the <u>course, homework or other non-lab issues</u> . She may direct your question to the instructor or coordinator.	
Lab Coordinator: Prof. Clare (lclare+chem100@sdsu.edu)	

When emailing, please allow 24 hours for a response. We will respond as soon as we can during business hours, but may not be checking email after hours, on weekends, or during holidays.

Waitlist: Waitlist students should email the Chem 100 Course Coordinator, Prof. Clare, lclare@sdsu.edu as soon as possible and provide your name and ID number. Continue to go to lecture until you are added, you can ask to be added to the Canvas course. You cannot attend lab until you have been removed from the waitlist.

Dropping the course: It is your responsibility to follow university policies regarding Cr/NC, drops, withdrawals, and incompletes. The last time to add/drop or change grading basis is Sept 8th at 11:59 pm.

Technology Requirements: A computer and stable internet connection is absolutely required for Aktiv and LabFlow online homework and access to Canvas. A computer/tablet/phone is needed for Top Hat pre-class readings. If you need to borrow a computer, contact SDSU Economic Crisis Response Team.

COURSE MATERIALS – REQUIRED

Day1Ready: All materials required for your courses, and thus for this class (except for the lab manual) are available in digital format on the first day of classes and are free up until **the add/drop date at 11:59 pm September 8th**. After this date, if you do not opt out, your SDSU student account will be charged. Please visit the SDSU bookstore and info on Day1Ready for additional information about pricing digital subscription duration, print add-ons, opting out, and other frequently asked questions. Through Day1Ready you will have access to the textbook, Aktiv online homework, Top Hat, the Labflow software for lab report submission and purchase of the physical lab manual.

In addition, you are required to purchase and use the iClicker app. You will need to use this app during every class lecture as it will enable you to answer multiple-choice questions posed on the screen during each class. The iClicker app is included in the Day1Ready material and is available at the SDSU bookstore. Information regarding the registration and use of iClicker accounts can be found at the following website:

<https://its.sdsu.edu/software/audience-response-system>

You may also choose to opt out of Day1Ready and purchase your course materials yourself. To do so, visit <https://ezbooks.sdsu.edu/D1R> and sign in with your SDSU account. Course materials can be obtained through the bookstore or directly from the publishers.

Textbook: Chemistry: Atoms First 2nd Edition (OpenStax Textbook). You will have access through your TopHat account and can also access freely online <https://openstax.org/details/books/chemistry-atoms-first-2e>. Note that your instructor may have edited the text, so the TopHat version should be your primary reference.

Lab Manual: Chem 100L: Preparation for General Laboratory Manual, Chemistry Dept. Printed by Catalyst Education, Fall 2025 – Spring 2026. Physical copies will be distributed to all enrolled students at the lab in Week 3.

Pre-lab assignments and post-lab reports will be submitted online using Labflow software. Instructions for using Labflow are posted in Canvas.

Lab Equipment: Safety glasses, nitrile gloves (can be purchased at the SDSU bookstore), matches or butane lighter, and a flame-resistant lab coat (blue) or lab apron (yellow). *Do NOT purchase the white lab coat in the bookstore, it is not flame resistant.*

Lecture Engagement: Top Hat will be used for pre-class reading assignments and your iClicker app for in-class participation during lectures. The iClicker app will enable you to engage with the course material in real time. Instructions for using Top Hat are posted in Canvas. All instructions for registering and using your iClicker remote can be found at the following SDSU website –

<https://its.sdsu.edu/software/audience-response-system>

Online Homework: Aktiv will be used for online homework each week and exam review problems before each exam. Instructions for using Aktiv are posted in Canvas. You will gain access to Aktiv through the Canvas website for this course.

Additional items: Calculator. The recommended calculator for this course is the Texas Instruments: TI-30Xa, but you may use any calculator you prefer. You are not permitted to use your cell phones as a calculator.

STUDENT LEARNING OUTCOMES

Course Description: Preparation for general chemistry. Emphasis on conceptual understanding of chemical principles, quantitative problem solving, and skills needed for success in general chemistry course and laboratory. Not open to students with credit in CHEM 200.

- This course fulfills the GE for Natural Sciences and Quantitative Reasoning.
- Course prerequisites: Strong working ability with high school level algebra.

Student Learning Outcomes (SLOs) are aligned with the Chemistry & Biochemistry Department [Curriculum Map](#) Degree Learning Outcomes (DLOs)

1. Describe, recognize, draw, and name important classes of atoms, functional groups, and molecules. (Nomenclature & Structure)
2. Describe the atomic and subatomic structure and properties of matter. (Atomic Structure)
3. Describe the origin and properties of chemical bonding and the influence on structure and properties of the molecules. (Molecular Structure)
4. Describe how the macromolecular properties of matter are determined by the molecular characteristics. (Molecules to Macro)
5. Predict the outcome of, and describe the mechanisms for, various chemical reactions. (Reactions)
6. Demonstrate the ability to quantify and interpret the reliability of measured physical and chemical properties of molecules and mixtures employing dimensional and appropriate statistical analysis. (Calculations)
7. Develop proficiency with modern instrumentation and techniques used in chemical laboratories (Lab Technique)
8. Recognize that the field of chemistry has historically centered knowledge from limited groups of people and identify contributions from more diverse scientists (Diversity, Equity, Inclusion)

DIVERSITY AND INCLUSION

Science is a fundamentally human endeavor and benefits from the inclusion of numerous diverse voices and perspectives. It is important that everyone in this class feels welcome and able to participate fully. Therefore, discrimination or harassment in any form or for any reason is not tolerated. This course is designed with diversity, equity, and inclusion in mind and these principles should be reflected in all interactions between students, teaching assistants, instructional staff, and faculty. Please report any situations or behaviors that do not meet these standards so that we can address them and find a solution to make this a safe and supportive environment for everyone.

It is important that all students in this class feel welcome and have an equal opportunity to learn. Throughout the course we will incorporate real-world examples of chemistry and discuss the social and historical contexts in which chemistry developed as a scientific field. Students are encouraged to reflect on how chemistry impacts them and their communities while being respectful of the unique experiences of other students. Suggestions about how to improve the value of diversity and inclusion in this course are encouraged and appreciated.

LAND ACKNOWLEDGMENT

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.

ESSENTIAL STUDENT INFORMATION

For essential information about student academic success, please see the [SDSU Student Academic Success Handbook](#).

- SDSU provides disability-related accommodations via Student Disability Services (sds@sdsu.edu | <https://sds.sdsu.edu/>). Please allow 10-14 business days.
- Religious observances: Please notify the lab coordinator within the first two weeks of class of any planned absences from exams, quizzes, or labs due to religious observances so that we can arrange some reasonable accommodation.
- 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 regularly.
 - All communication regarding this course should occur through official SDSU email accounts. The course instructor and coordinators will be available via email to answer questions or to schedule meetings. Please allow at least 24 hours for a response, longer over weekends and holidays. To ensure a prompt response include CHEM 100 1:00pm in the subject line and make sure to provide your full name and lab section. You will not receive a response if you do not use your sdsu.edu address.
- Class rosters are provided to the instructor with the student's legal name. Please let me know if you would prefer an alternate name and/or gender pronouns.
- 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 Sept 7 at 11:55pm. You will also take a written safety quiz during the Week 3 lab. These activities are worth a total of 15 points.
- You must be enrolled in one laboratory section as well as lecture. You must attend the laboratory section in CHEM 100 for which you are enrolled. Never attend a lab session that is not on your class schedule, the TA will not let you in.
- **Academic honesty: DO NOT cheat!** Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit; such acts also include assisting another student to do so. The penalty for cheating and plagiarism is an F for the course and possible expulsion from the University. Any use of generative AI (like ChatGPT) not approved by the instructor constitutes misuse and is violation of course policy on

academic dishonesty and be subject to discipline under the terms of the [SDSU Student Code of Conduct](#) and will be reported to the Center for Student Rights and Responsibilities. It is important to do your own work as you will need to learn the material in this course and, more importantly, develop the problem-solving skills required of this course to be prepared for upper division coursework and eventually a career.

COURSE DESIGN: MAJOR ASSIGNMENTS AND ASSESSMENTS

Lecture Assignments (Aktiv Homework and Exam Reviews):

Aktiv Homework has hard deadlines, and **NO INDIVIDUAL EXTENSIONS** will be granted. There are 10 homework assignments. The one with the **lowest score will be dropped**. They are denoted in Aktiv by the week they are due and the chapters they cover, e.g. "Week 2 Aktiv HW (Ch 1)."

- It is in your best interest to complete all problems in each homework to ensure that you are fully prepared for the exams.
- Work on the problems several days before they are due, so you have time to go to your professor's help hours, go the MSLC for tutoring, or find any Chem 100 TA at the MSLC to ask for help. Never wait until the last day to work on the homework; otherwise, you will be rushing through the assignment instead of learning how to break down problems and theories to prepare for the exams.
- We **STRONGLY** recommended that you buy a notebook to write out your work on the problem sets to keep good notes and to make your studying more efficient. Bring your notebook to class with you in order to take good notes.
- You will have multiple attempts for each HW problem. Your score will be based on the percent correct answers, with a max of 15 points per homework.
- Scores will be transferred from Aktiv to Canvas throughout the semester

Aktiv Exam Reviews (30 points each) assess your understanding of material and help you prepare for exams. They are denoted in Aktiv as Practice and will be labeled by the exam and chapters material covered. For example, "Exam 1 Review - 1, 2.1 – 2.3, 3 & 11.2" will help you prepare for Exam 1 by reviewing concepts and solving problems from all chapters covered on the exam. You will have **unlimited attempts** and your grade will be based on the final number of correct answers you have..

Aktiv Assignments Due dates: All HW will be due at 11:55 pm on Sunday on a mostly weekly basis. Exam Reviews will be due at 8:00 am the morning of the exam. Check the schedule for exact due dates. Announcements on Canvas will remind you of deadlines.

For problems with Aktiv registration and other technical difficulties contact the Aktiv tech support via email (support@aktiv.com) or through their support site aktiv.com/support.

Lecture Engagement (Top Hat): Regular engagement with course material is important for your success. A maximum of 125 Lecture Engagement clicker points can be earned, and you will have approximately 175-200 points available to you throughout the semester. Points will be earned by correctly answering any combination of questions embedded in the online textbook within Top Hat in addition to iClicker questions posed in real-time during lecture. All pre-class reading questions will have due dates and cannot be completed for points after those due dates but will be available for you to review after the due date. iClicker points will

be visible on the Clicker website and transferred to Canvas at the end of the semester (max 125 points).

Instructions and a link for accessing Top Hat will be provided on Canvas. Should you require assistance with Top Hat at any time please contact their Support Team via email (support@tophat.com), the in-app support button, or by calling 1-888-663-5491.

Class Participation (Clicker Questions): You are required to purchase the iClicker app for in-class participation. You are not permitted to use your cell phones at any time during class lectures.

The clicker app is a response system that allows you to answer questions that are posed during lecture. It is anticipated that there will be between 5 to 10 questions per lecture beginning with the second week of the semester. These questions are usually presented in multiple choice format and students typically have about 30 seconds to respond using their clicker. The purpose of this exercise is to identify any misunderstandings with the material and encourage active learning. A small percentage (12.5% - 125 points) of your total grade will derive from pre-class reading questions in TOPHAT and from in-class participation with the iClicker app. For you to receive this credit, you **MUST** register your clicker app for this class through a link in your SDSU Canvas course menu. You will use your clicker app during almost every lecture and therefore you are responsible for use your clicker app every lecture. All information pertaining to clickers can be found at the SDSU website (<https://its.sdsu.edu/software/audience-response-system>).

Exams: There are 3 in-class mid-term exams that will take place in ENS 280. All exams should be considered cumulative but will focus mainly on content from the assigned chapters. Each exam is worth 100 points. You have 50 minutes to complete the exams once you start it.

No exam retakes will be allowed. There will be no make-up exams, except in the case of appropriately documented medical absences. In the event you miss an exam or know that you will be missing an exam, contact the coordinator by email, [lclare@sdsu.edu](mailto:clare@sdsu.edu), *as early as possible*. Without verifiable medical documentation you will not be allowed to make up an exam. If you are an SDSU NCAA athlete, you must submit your schedule of competition during the first two weeks of semester so that arrangements around exam conflicts can be made.

Final Exam: The final exam (130 points) is cumulative and will cover all course topics. The final exam will be given in class (ENS 280) on **Friday December 12th, from 1:00 pm to 3:00 pm**. There will be no make-up, except in the case of appropriately documented medical absences. If you miss the final exam or know that you will be missing the final exam, contact the coordinator by email, [lclare@sdsu.edu](mailto:clare@sdsu.edu), *as soon as possible*.

Lab Assignments (Labflow): Chemistry is an experimental science. As such, its principles are best illustrated in the laboratory setting. You will learn many basic principles of chemistry in a modern, well-equipped laboratory environment. Learn the name of your laboratory teaching assistant (TA) and your lab section number.

- Lab attendance is **absolutely mandatory** and students who miss more than 4 of the labs or fail to submit more than 4 pre- or post- lab assignments will not

receive a passing grade in this course, regardless of how many points were earned on other assignments and exams.

- When conducting experiments, all persons present in a chemistry laboratory must wear approved eye protection, BLUE flame-resistant lab coat (white lab coats sold in bookstore are not flame-resistant) or flame-resistant yellow apron. Long pants or skirts that fall below mid-calf must be worn, and shoulders must be covered. Long hair must be confined securely. Anyone not in compliance will be asked to leave and will not be allowed to return until properly attired. **Do not** wear shorts or tank tops to any lab session. In addition, closed toe/heel shoes are mandatory for every lab session. This includes lab sessions when completing worksheets only. Store a pair of shoes in your locker if you think you will forget to wear proper shoes. No food or drink at any time is allowed.
- If you have forgotten your safety glasses then you must either borrow a pair from a friend, buy new ones at the bookstore, or go home and take a zero on that lab.
- Lab work for CHEM 100 must be performed in the lab section you are registered for during your scheduled lab hours. **Do not** attend any lab session other than the lab you are registered for, or you will receive a zero for that lab.
- **Pre-lab assignments:** Before each lab you will complete a 3-point assignment in Labflow to check your understanding of the upcoming topic. You get four attempts to complete the pre-lab for your highest score. You must complete at least one attempt on your pre-lab to open access to your post lab.
- **Post-lab assignments:** are worth 12 points and are due within 72 hours (3 days) of your lab start time. For example, an 8:00 am Monday lab would have a post lab due date of 8:00 am on the following Thursday. All assignments consist of completed pages for each experiment out of your lab manual and any post-lab data, calculations, and/or question responses submitted online through the Labflow platform. **Late post-lab assignments will lose 50% credit for each day late.** No credit will be given for a post-lab assignment report if the experiment was not actually done by that student.
- **Labflow Token Economy:** This semester our course will utilize a **Token Economy** in Labflow. This is a flexible system designed to empower your learning. Think of tokens as digital currency that can be earned through proactive engagements and preparation, and then to be spent on assignment extensions. Here 's how the Token Economy can benefit you: **Earn Flexibility & Grace:** Tokens provide a structured way to gain "grace" for unexpected events, helping you manage deadlines and reduce stress. **Boost Engagement & Preparation:** You can earn tokens by engaging with course material (e.g., watching pre-lab videos, completing pre-lab quizzes with above 95% scores in addition to good lab stewardship such as cleaning up and proactively notifying your TA about filled or over filled hazardous waste containers. **Develop Essential Skills:** This system helps you build valuable "how-to-college" skills like prioritization, personal planning and responsible decision-making. You can track your token balance and view available earning and spending opportunities by looking for the token bank number in the upper right corner of Labflow, or by clicking the dedicated token icon in the blue left-hand menu. Use this system to enhance your learning
- Because of logistical constraints, you will not be allowed to make up missed lab experiments; however, **your lowest pre- and post- lab assignment score will be dropped** when determining your course grade. Use this free pass wisely. **No matter the reason for missing a lab, the lowest lab score is dropped.** A second missed lab will only be excused by contacting the lab coordinator (lclaire+chem100@sdsu.edu) before

your lab session begins. Medical documentation in the form of a signed doctor's note specifying dates of missing school which includes a return date are required. If your second missed lab is due to being sick with COVID, send all tests and information to HealtheConnect. Email your quarantine dates from HealtheConnect to the lab coordinator. **This will be a one-time accommodation.**

- Two CHEM 100 students will be checking into a locker and sharing the locker. Both will be responsible for the equipment in it. At the end of the semester or if you drop the class, you need to check out of your locker. If you fail to check out by the scheduled date, there will be a \$25 fee.
- There are 15 lab participation points. These will be assigned throughout the semester through activities on Labflow (5 points) and at the discretion of the lab TA at the end of the semester (10 points). Arriving on time prepared for laboratory, adhering to lab safety protocols, and helping with clean-up will ensure that you receive these points.

COURSE SUPPORT: FREE RESOURCES

We highly recommend that you take advantage of the free resources provided by SDSU. These are opportunities to ask tutors and/or instructors questions that arise during your studies. Any student may attend any of the Chem tutoring hours or any TA help hour and you may attend as many as you like.

The Mathematics and Science Learning Center (MSLC): Instructor and teaching assistant (TA) office (help room) hours for this course will be held in the MSLC (<https://mslc.sdsu.edu/chemistry-ta/>). Students are also encouraged to make use of MSLC for free drop-in STEM tutoring for other courses. The MSLC is available Sunday through Friday. Most services are in person in Love Library, Room 328, though the website will list any available virtual tutoring times. For a full list of courses tutored and the most recent schedule of TA and tutor help hours, please visit the MSLC website: <https://mslc.sdsu.edu/>.

The MSLC is supported by your student success fee. We strongly encourage you to use this wonderful, free resource. Some students believe that they shouldn't need to ask for help, but research has shown that **the average grade for students who use the MSLC is almost one full grade higher than those who don't seek support.**

Supplemental Instruction (SI): SI Sessions are free study sessions and will be offered each week, throughout the course. SI is open to all students enrolled in this course. SI Sessions are facilitated by an SI Leader, a current student who just took the course and received a good grade and has been trained to lead active-learning-based group sessions where students can improve their understanding of course material, review and discuss important concepts, develop study strategies, and prepare for exams. 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.

Attend SI so you can get extra practice, meet other students in the course, and learn how to effectively study. To get the most out of SI, attend early and often.

- SI Program: https://bit.ly/SDSU_SI
- Meet the SI Leaders: <https://studentsuccess.sdsu.edu/supplemental-instruction/leaders/chem100>
- Calendar: <https://studentsuccess.sdsu.edu/supplemental-instruction/session-schedules>

GRADING POLICIES

Your letter grade will be determined by your individual points total for the course. There will be no curving of the course grades. This is a tentative grade range breakdown for each letter grade. The instructor reserves the right to universally modify this grade scale prior to assigning final letter grades. Earning the respective percentage in the course listed here will result in the grade noted. It is possible that the percentages may be lowered, but they will not be raised for a given letter grade.

Percentage	Letter Grade
≥ 93.33	A
90 to < 93.33	A-
86.66 to < 90	B+
83.33 to < 86.66	B
80 to < 83.33	B-
76.66 to < 80	C+
73.33 to < 76.66	C
70 to < 73.33	C-
66.66 to < 70	D+
60 to < 66.66	D
< 60	F

Course Points Distribution

Item	Submission	Number	Value	Total	% of grade
Math Readiness	Aktiv	1	15	15	1.5%
Weekly Homework	Aktiv	Best 9 of 10	15	135	13.5%
Exam Reviews	Aktiv	3	30	90	9.0%
Midterm Exams	In-Class	3	100	300	30.0%
Final Exam	In-Class	1	130	130	13.0%
Scavenger Hunt	Canvas	1	10	10	1.0%
Clicker/Top Hat	In Class/Canvas	TBD (variable)	TBD	125	12.5%
Lab Safety Training	Canvas & Lab TA	1	15	15	1.5%
Pre-Lab Assignments	Labflow	Best 11 of 12	3	33	3.3%
Post-Lab Assignments	Labflow	Best 11 of 12	12	132	13.2%
Lab Participation	Canvas & Labflow	1	15	15	1.5%
			Total	1000	100.0%

*The complete course schedule can be found on the following page (this is not the end of the document). Please continue to the next page in order to review the complete course schedule

COURSE SCHEDULE

All dates and times are Pacific Standard Time (PST). This syllabus and schedule are subject to change. I will make any changes clear with announcements in class and on the Canvas website using Announcements. The coordinator will also keep you updated using Announcements in Canvas. Please pay attention to announcements made in class and lab. It is your responsibility to check on announcements made in your absence.

Week	Date	Lecture Topic (TopHat)	Lab Material (Labflow)	Homework & Other Due Dates
1	Aug 25, 2025	Introduction/ Chapter 1	No Labs Meet Complete Lab Safety Module in Canvas (due Sept 3 at 8am)	Course Scavenger Hunt (Canvas) due August 30 at 11:55 pm
	Aug 27, 2025	Chapter 1		
	Aug 29, 2025	Chapter 1		Math Readiness Diagnostic (Aktiv) due Sept 2 at 11:55 pm
2	Sept 1, 2025	No Class – Labor Day	No Labs Meet	Week 2 Aktiv HW (Ch 1) due Sept 7 at 11:55 pm
	Sept 3, 2025	Chapter 1	Complete Labflow Intro/safety quiz	
	Sept 5, 2025	Chapter 2 (skip 2.4)		
3	Sept 8, 2025	Chapter 2 (skip 2.4)	Lab Check-in & Safety Quiz	Sept 8 - Last day to add/drop classes, 11:59 pm deadline
	Sept 10, 2025	Chapter 3		
	Sept 12, 2025	Chapter 3	Lab 1 – Use of Volumetric Equipment	Week 3 Aktiv HW (Ch 2.1 – 2.3) due Sept 14 at 11:59 pm
	Sept 15, 2025	Chapter 3		
	4	Sept 17, 2025	Chapter 3 & Chapter 11.2	Lab 2 – Atomic Spectra
Sept 19, 2025		Chapter 4		
5	Sept 22, 2025	Chapter 4	Lab 3 – Graphing in Excel	Exam 1 Review Aktiv (Ch 1, 2.1 – 2.3, 3 & 11.2) due Sept 26 at 8 am.
	Sept 24, 2025	Chapter 4		Top Hat pre-class reading for Ch 1, 2.1-2.3, 3 & 11.2 due Sept 26 at 8 am
	Sept 26, 2025	Exam 1 (Chs 1, 2.1 – 2.3, 3 & 11.2)		
	6	Sept 29, 2025		Chapter 4
Oct 1, 2025		Chapter 5		
Oct 3, 2025		Chapter 5		

Week	Date	Lecture Topic (TopHat)	Lab Material (Labflow)	Homework & Other Due Dates
7	Oct 6, 2025	Chapter 10	Lab 5 - VSEPR	Week 7 Aktiv HW (Ch 5 & 10) due Oct 12 at 11:59 pm
	Oct 8, 2025	Chapter 10		
	Oct 10, 2025	Chapter 10		
8	Oct 13, 2025	Chapter 2.4	Lab 6 – Intermolecular Forces	Week 8 Aktiv HW (Ch 2.4, 6.1 & 6.2) due Oct 19 at 11:59 pm
	Oct 15, 2025	Chapter 2.4		
	Oct 17, 2025	Chapter 6.1 & 6.2		
9	Oct 20, 2025	Chapter 6.3 & 6.4	Lab 7 – ID Unknown Metal Carbonate	Exam 2 Review Aktiv (Ch 4, 5 & 10) due Oct 24 at 8am. Top Hat pre-class reading for Ch 4,5 & 10 due Sept 24 at 8 am
	Oct 22, 2025	Chapter 6.3 & 6.4		
	Oct 24, 2025	Exam 2 (Chapters 4, 5 & 10)		
10	Oct 27, 2025	Chapter 7	Lab 8 –Empirical Formula of Magnesium Oxide	Week 10 Aktiv HW (Ch 6.3, 6.4 & 7) due Nov 2 at 11:59 pm
	Oct 29, 2025	Chapter 7		
	Oct 31, 2025	Chapter 7		
11	Nov 3 2025	Chapter 7	Lab 9 – Soluble and Insoluble Salts	Week 11 Aktiv HW (Ch 7) due Nov 9 at 11:59 pm
	Nov 5, 2025	Chapter 7		
	Nov 7, 2025	Chapter 7		
12	Nov 10, 2025	No Class – Veteran’s Day	Lab 10 – Limiting Reactant Tuesday Labs will not Meet	Week 12 Aktiv HW (Ch 7) due Nov 16 at 11:59pm
	Nov 12, 2025	Chapter 7		
	Nov 14, 2025	Chapter 7		
13	Nov 17, 2025	Chapter 8	Lab 11 – Determination of the Molar Volume of a Gas and the Gas Constant	Exam 3 Review Aktiv (Ch 2.4, 6, & 7) due Nov 21 at 8am. Top Hat pre-class reading for Ch 2.4, 6 & 7, due Nov 21at 8 am
	Nov 19, 2025	Chapter 8		
	Nov 21, 2025	Exam 3 (Chapters 2.4, 6, & 7)		
14	Nov 24, 2025	Chapter 8	ONLY Tuesday Labs Meet: Lab 10 – Limiting Reactant	
	Nov 26, 2025	No Class – Thanksgiving Break		
	Nov 28, 2025	No Class – Thanksgiving Break		

Week	Date	Lecture Topic (TopHat)	Lab Material (Labflow)	Homework & Other Due Dates
15	Dec 1, 2025	Chapter 8	Lab 12 – Specific Heat Capacity Lab Check Out No Labs Meet – Last Week of Classes	Week 15 Aktiv HW (Ch 8) due Dec 7 at 11:59pm Week 16 Aktiv HW (Ch 9) due Dec 15 at 11:59 pm Top Hat pre-class reading for Ch 8 & 9 due Dec 15 at 11:59 pm
	Dec 3, 2025	Chapter 9		
	Dec 5, 2025	Chapter 9		
	Dec 8, 2025	Chapter 9		
16	Dec 10, 2025	Review for Final Exam		

Summary of Exam Topics and Dates		
	Topic:	Exam Dates and Times
Exam 1	Chapters 1, 2, 3 & 11.2	1:00 pm – 1:50 pm Fri, Sept 26
Exam 2	Chapters 4, 5 & 10	1:00 pm – 1:50 pm Fri, Oct 24
Exam 3	Chapters 2.4, 6, & 7	1:00 pm – 1:50 pm Fri, Nov 21
Final Exam	All Covered Chapters & Topics (Ch 1 – 10 & 11.2)	1:00 pm — 3:00 pm Fri, Dec 12