Chemistry 103 – 10952
Introduction to General Chemistry with Laboratory
San Diego State University, Fall 2025

COURSE INFORMATION

Class Days and Times

Lecture: Mon/Wed/Fri 9:00 AM - 9:50 AM in Room PS-130
Lab: Please see your individual schedule for your lab section day, time, and location.

Contact Information

Please use your official **@sdsu.edu** email - include your **full name, "Chem 103," and lab section** to help us respond faster (we aim to reply within 24 hours; weekends/holidays may take longer).

Lecture Instructor & Course Coordinator: Alexandra Hofler, ahofler@sdccd.edu
Teaching Assistants: See the list on our course website: https://sdsu.instructure.com/

Office Hours

Instructor: Mondays & Wednesdays, 10:00 AM – 10:50 AM in MSLC LL-328
Or by appointment via Zoom: https://calendar.app.google/bAVkgxewPAjgjmYU6
TA: Check the MSLC schedule online: https://mslc.sdsu.edu/chemistry-ta/

Additional Help

The Mathematics and Science Learning Center (MSLC) offers free tutoring: https://mslc.sdsu.edu/

Waitlist

If you're on the waitlist, email the CHEM 103 Coordinator with your name and RedID right away. You'll be added to Canvas so you can access materials. Please keep coming to lectures, but you cannot join lab until officially enrolled.

Dropping the Course

You are responsible for following SDSU's 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.

Modes of Instruction

All lectures, labs, and exams take place in person, and **attendance is required**. Lab teaching assistants will record attendance during lab sessions; lecture participation will be tracked via Poll Everywhere. Lectures are recorded in Mediasite and embedded in Canvas, where you can also find lecture notes, grades, and other course materials. **Be sure to keep your current email address updated in Canvas, as this will be the primary method of communication to the class.**

COURSE MATERIALS - REQUIRED

Technology Requirements

A reliable computer & internet for access to Canvas and online homework.
A portable device (laptop/tablet/phone) for Poll Everywhere in-class participation.
Need to borrow a computer? Contact the SDSU Economic Crisis Response Team: http://sdsu.edu/ecrt

Day1Ready (Equitable Access)

The digital textbook, homework, and physical lab manual are free through Day1Ready until the drop date (Sept 8, 2025 at 11:59 pm). After that, a flat rate of $21.75/unit is charged to your SDSU student account. Visit Day1Ready (https://ezbooks.sdsu.edu/D1R) for details and additional information about pricing digital subscription duration, print add-ons, opting out, and other frequently asked questions.

You can opt out and purchase your course materials yourself from the bookstore or publishers. If you're already using Cengage in another course, consider Cengage Unlimited. For $119.00 per semester, you get access to ALL Cengage eBooks and ALL online learning materials.

Textbook and Homework

Mark S. Cracolice, Edward I. Peters, **Introductory Chemistry: An Active Learning Approach**, 7th edition.
Access the **text** and **OWL** homework online through your Cengage account. Enroll through Canvas.

Online Homework: **Cengage OWL Study System**
Enroll through Canvas. Homework may be purchased separately or with the text
Need a computer? Contact SDSU Economic Crisis Response Team (sdsu.edu/ecrt) for resources
Computers in the Love Library: library.sdsu.edu/technology/computer-locations

Lab Manual

Chem 103 Lab Manual, SDSU Chemistry Dept. Printed by Hayden MacNeil, Fall 2025 – Summer 2026.
Available through the bookstore.
Go to the second-floor information desk and give the clerk your RedID number.

Additional Course Materials

Poll Everywhere audience response system.
Free for all students - Sign in with your SDSUid: https://it.sdsu.edu/apps-software/poll-everywhere
Non-graphing, non-programmable scientific calculator with logarithmic functions.
Texas Instruments (TI-30XSII) is recommended but not required.
Required Lab Supplies
Flame resistant lab coat (blue) or lab apron (yellow).
Do NOT purchase the white lab coat in the bookstore, it is not flame resistant.
Full splash safety goggles (ANSI Z87 certified).
Nitrile gloves (at least one box - can be purchased at the bookstore or a drugstore).
Matches or butane lighter.

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COURSE DESCRIPTION AND STUDENT LEARNING OUTCOMES

Course Description

This course is the survey of the fundamental chemical principles of matter, presenting students with the elementary chemical concepts used to illustrate nature and the development of modern scientific thought. For the full course description, see the SDSU Catalog: https://catalog.sdsu.edu

Chem 103 is offered as a GE course to students in non-STEM majors and as a General Chemistry course to students in STEM majors that do not require taking Chemistry 200 (e.g. Food and Nutrition major). It is also recommended as a preparatory course for students with limited mathematics and/or science background who plan to take higher level chemistry courses such as Chemistry 100, or students who plan to take the Chemistry Placement Exam for placement in Chemistry 200.

Student Learning Outcomes

By the end of this course a successful student will be able to:

- Execute basic chemistry calculations such as unit conversions and stoichiometry.
- Explain the basic principles of atomic theory and chemical bonding.
- Quantitatively and qualitatively describe physical and chemical properties of matter.
- Illustrate the concept of dynamic equilibrium with acid-base chemistry.
- Safely and confidently conduct protocols in a laboratory environment.
- List a few examples of historical inequities in the field of chemistry.

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 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.

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ACADEMIC POLICIES

Course Conduct

Cell phones and other electronic devices must be silenced during lectures and lab periods. Excessive talking during lectures is discourteous to the instructor and annoying to students who sit nearby - please be mindful of those around you. Students who disrupt the class may be asked to leave; points from missing lecture or lab cannot be made up.

Conflict

If you encounter any issues during lab sessions or lectures, please don't hesitate to discuss them promptly. For lab-related concerns, your first point of contact is your TA - please approach them in person to clarify any misunderstandings or challenges you may be facing. If a problem arises during lecture, please speak directly with the course coordinator so that we can address it immediately.

If these initial conversations do not resolve the problem, please escalate lab issues to the course coordinator. If the coordinator is unable to resolve the situation, we will discuss the issue with the instructor. If the instructor is also unable to find a satisfactory solution, we will speak with the Department Chair. If the Department Chair cannot assist, the matter will be referred to the Assistant Dean for Student Affairs, and finally to the Student Ombudsman in accordance with SDSU policy: https://sacd.sdsu.edu/student-ombudsman/procedures. At each stage, we are committed to working with you to reach a fair and timely resolution.

Academic Honesty

Students are expected to uphold the highest standards of honesty and integrity in all academic work. Academic dishonesty, whether actual or attempted, involves any fraudulent or deceptive act committed to improve one's grade or obtain course credit. This includes, but is not limited to, cheating, plagiarism, unauthorized collaboration, and assisting others in such conduct.

Exams and quizzes are "closed book" unless otherwise stated. No outside materials may be used. Anyone observed looking at another student's exam, communicating during an exam, or using unauthorized resources will be considered to have cheated.

Plagiarism - presenting another person's words or ideas as your own without proper citation - is a form of academic dishonesty. This policy extends to all content produced by generative AI tools (e.g., ChatGPT). Submitting AI-generated text as your own work, copying another student's work, or allowing others to copy your work will be treated as plagiarism.

Any student found responsible for cheating or plagiarism will receive a "0" on the affected assignment or exam. A second offense will result in an "F" in the course. Repeat or particularly egregious violations may lead to university disciplinary action, up to and including expulsion. All incidents will be reported in accordance with Executive Order 1098 and SDSU's Student Rights and Responsibilities.

For more information on these policies, please refer to SDSU's Student Rights and Responsibilities: https://sacd.sdsu.edu/student-rights/academic-dishonesty

For more information on SDSU's AI policies, please visit: https://libguides.sdsu.edu/AI

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Generative AI in Chem 103

Students are expected to complete all work independently unless otherwise noted by the instructor. In particular, the use of generative AI tools (e.g., ChatGPT) to produce answers is prohibited unless otherwise authorized. Limited uses of AI, such as proofreading student work on take-home assignments or generating question sets for students to use in studying, is allowable in this course. Students should exercise caution, as AI outputs can be inaccurate or misleading, and any reliance on such tools is at the student's own risk.

LABORATORY SAFETY AND POLICIES

Laboratory Attire

All lab sessions, including those without experiments, require proper lab attire: long pants or a skirt that falls below mid-calf (with no holes or tears), closed-toe shoes that fully cover your feet (heels, toes, and tops), and a shirt that covers you completely (from shoulders to waist).

For wet labs - in which you'll handle chemicals - approved personal protective equipment is also required throughout the entire period: always wear safety goggles with top and side shields (ANSI Z87 rating), a blue, flame-resistant lab coat (note that the white coats sold in the bookstore are not flame-resistant) or a flame-resistant yellow apron, and ensure long hair is pulled back and secured.

Because the department cannot loan out PPE, it is strongly recommended that you store your goggles, lab coat/apron, hair ties, and backup shoes in your lab drawer so they're ready each time you arrive; if you show up without the required safety gear, you'll either need to borrow from a peer, purchase replacements at the bookstore, or leave and receive a zero for that lab.

Laboratory Safety

Lab safety rules are non-negotiable for everyone's safety: you must wear the proper attire and PPE for every lab (including wet labs), and eating or drinking in the lab is strictly forbidden.

Anyone who arrives improperly dressed or without the required safety gear will be asked to leave and may not return until they're in compliance - and any points lost for missing that session cannot be recovered.

Please arrive on time and attend only the lab section for which your registered, as critical safety and experimental instructions are given at the start of lab. Arriving late will result in a deduction of participation points, and anyone more than 20 minutes late will be sent home and receive a zero for that lab. You must attend only the lab section for which you're registered - if you try to join a different session, you will earn a zero for that day's work.

Laboratory Fees

You and a partner will share a locker stocked with the glassware and equipment you will need for the semester. You will return it in the condition you found it – clean, complete, and free of personal belongings – during your final lab session as listed on the course schedule. It is your responsibility to ensure that either you have checked out of your lab locker by the end of the semester, even if you drop the course; otherwise a $25 fee will be assessed.

STUDENT ACADEMIC SUCCESS

For essential information about student academic success, see the Student Academic Success Handbook: https://docs.google.com/document/d/1rXNpNGs1K7nIxcS73o6R-fxZqPIWQwS9gHD7XpIqjhM/edit

Student Disability Services

Student Disability Services (SDS) supports students with any disability-related accommodations. To get started, schedule an appointment with SDS as early as possible - allow 10–14 business days for accommodations to be arranged. Please note that accommodations are not retroactive and instructors cannot implement them until you present an official SDS accommodation letter.

Testing accommodations through SDS must also be arranged in advance. For full details, consult the Testing Accommodation Center Student Handbook at sds.sdsu.edu/services/tac.

You can reach SDS directly at (619) 594-6473, via email at sds@sdsu.edu, or online at sds.sdsu.edu/.

Preferred Names and Pronouns

Class rosters are provided to the instructor with the student's legal name. Please let the coordinator know if you would prefer an alternate name and/or gender pronouns.

SDSU Economic Crisis Response Team:

If you or someone you know are experiencing food or housing insecurity, technology concerns, or any unforeseen financial crisis, SDSU's Economic Crisis Response Team (ECRT) is here to help. Visit https://sacd.sdsu.edu/ecrt to learn more or to submit a confidential request for assistance. Within 24–72 hours of your referral, the ECRT Coordinator will reach out to connect you with the right resources, whether that's emergency housing, meal support, financial aid, or tech equipment through the Library's checkout program (available to both SDSU and Imperial Valley students). ECRT takes a holistic approach, partnering with on- and off-campus services to address your immediate needs and to help you find long-term, sustainable solutions so you can stay focused on your studies and graduate successfully.

Sexual Violence/Title IX Mandated Reporting

As your instructor, I'm committed to fostering a supportive and respectful learning environment. As an SDSU employee, I'm also a mandated reporter - this means if you share information about sexual violence on campus, I'm required to notify our Title IX Coordinator. Once notified, the Title IX office will reach out to let you know about support services, accommodations, and options for holding the responsible party accountable. You will never be forced to share details you're uncomfortable with, and you decide how involved you want to be.

If you prefer to keep your conversation confidential, you can speak with one of these resources instead:

- Sexual Violence Victim Advocate: 619-594-0210
- 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 https://cphd-titleix.sdsu.edu/

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COURSE SUPPORT

How To Succeed In Chemistry

Stay ahead of the curve by reading each chapter before lecture and work on homework problem sets regularly. Read the lab ahead of time and visualize each step of your lab procedure.

Capture key insights and highlight confusing or exam-worthy topics in your notes, then follow up with your instructor or a TA for clarification.

Leverage the MSLC & SI by attending sessions consistently to deepen your understanding and boost retention. Sessions are free and open to all students.

Form or join a study group - explaining and debating topics with peers cements your understanding.

Simulate exam conditions to boost confidence and test your mastery by re-solving problems without notes.

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**.

METHOD OF EVALUATION

Grading Policies

Students earn their letter grade by acquiring points through active involvement and demonstration of knowledge. Points are earned by participating in lecture and labs, completing assignments, and demonstrating of knowledge on exams and quizzes.

There is no curving of the course grades; earning the respective percentage in the course listed here will result in the grade noted.

The instructor reserves the right to universally modify the grade scale prior to assigning final letter grades. Percentages may be lowered, but they will not be raised for a given letter grade.

Tentative Grade Scale	
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

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CHEM 103 Points Breakdown					
Item	**Submission**	**Number**	**Value (each)**	**Total**	**% of final grade**
Homework	OWL	Best 10/11	20	200	20%
Exam Review Quizzes	OWL	Best 3/4	50	150	15%
Midterm Exams	In class	Best 3/4	100	300	30%
Final Exam	In class	1	100	100	10%
Lecture Participation	Canvas and Poll Everywhere	TBD	TBD	50	5%
Lab Safety Training	Canvas and Submit to TA	1	20	20	2%
Lab Assignments	Submit to TA	Best 10/11	15	150	15%
Lab Participation/ Conduct	Canvas	1	30	30	3%
			Total	1000	100.0%

Missed Exams, Labs, and Late Work Policy

Late work:
Be proactive with assignments - late work will only be allowed under extreme circumstances with documentation.

SDSU Athletics and Religious Observances:
Planned absences for religious observances or SDSU athletic events must be emailed to the course coordinator within the first two weeks of class so that arrangements around conflicts can be made. Athletes must submit their schedule of competition.

Missed Exams and Labs:
Email the course coordinator as soon as possible. The first missed exam or lab for which you have verifiable emergency documentation (e.g., a physician's note) covering the missed date will receive a "0." Additional missed exams and lab assignments may be excused (lab assignments) or replaced (exams) with additional verifiable emergency documentation. Students who miss more than 4 of the labs or fail to submit more than 4 lab assignments will not receive a passing grade in this course, regardless of how many points were earned on other assignments and exams.

Course Design

Homework:
Homework will be completed through Cengage's OWL platform. There will be 11 homework assignments, and the one with the lowest score will be dropped when determining your course grade.

> **Extra Credit Opportunity:**
> Before you begin, there will be two introductory OWL assignments at semester start: "Introductions to OWL" and "Math Review." These intro assignments are to help guide you into using the program and freshen up on basic math. You will earn bonus points for these assignments, up to 2% of the final course grade.

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Exam Review Quizzes:
To help you prepare for the exams, exam reviews will also be offered through OWL before each exam. There will be 4 exam review assignments, and the one with the lowest score will be dropped when determining your course grade

> These review quizzes aren't timed, but must be finished in one uninterrupted attempt - you can't save, log out, and return later. This is designed to mimic exam conditions while giving you unlimited time. You have five attempts per question and may retake the entire quiz as often as you like to boost your score; only your highest overall attempt will count.

Exams:
There will be four midterms exams this semester in addition to a cumulative final exam. You will need to bring a non-graphing, non-programmable scientific calculator with logarithmic and exponential functions. All exams, including the final, will be closed book and there will be no makeup exams. Your lowest midterm exam will be dropped when determining your course grade.

Lecture Participation:
Poll Everywhere will be used to assess lecture participation. Answer at least 75% of the questions in class to receive full participation points. You will need a cell phone, tablet, or laptop to participate. The Syllabus Scavenger Hunt on Canvas will also count towards your Lecture Participation grade.

Lab Safety Training:
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 before attending your first lab. You will also take a written safety quiz during the Week 3 lab.

Lab Assignments:
Chemistry is an experimental science, and its principles come to life in the laboratory. In this course, you'll explore fundamental concepts in a modern, fully equipped lab. Due to logistical constraints, missed labs cannot be made up, but your lowest lab score will be dropped when calculating your course grade.

> Learn your lab section number and TA's name; you must include both on every assignment and exam. Many experiments include pre-labs, which you must complete before attending the lab session. TAs will check your pre-labs for completion. You will turn in the lab worksheets at the end of lab – these may consist of recorded data, calculations, graphs, and answers to the questions in your manual. Final answers must include units. Reports must be legible – TAs cannot award points if they cannot read your handwriting.

Lab Participation and Conduct:
Participation points will be assigned at the discretion of the lab TA at the end of the semester. To earn full points, arrive on time, be prepared for lab, adhere to all lab safety protocols, and help with clean-up. Your TA will take points away if you store any food or beverage containers on the lab or in the cubby - these should be stored inside your backpack.

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CHEM 103 COURSE SCHEDULE – FALL 2025

Key Academic Deadlines

- Beginning of Permission Code Availability: Sept 2nd – Sept 8th at 11:59pm
- Schedule Adjustment Deadline (Add/Drop): Sept 8th at 11:59pm
- Late Schedule Adjustment Deadline (Withdrawal): Sept 23rd at 11:59pm

Chem 103 Assignment Deadlines

- Canvas Syllabus Quiz: due Sept 7th at 11:55pm
- Canvas Safety Survey: due Sept 14th at 11:55pm
- OWL Homework: due Sundays at midnight (11:55pm)
- OWL Exam Review Quizzes: due at 8:00am the day of the exam
- Lab Pre-Labs: due at the beginning of the lab period
- Lab Worksheets: due at the end of the lab period

Chem 103 Tentative Course Schedule

Week	2025 Date	Lecture Schedule	Lab Schedule	Assignments
1	**25-Aug**	Syllabus Chapter 1: Intro to Chemistry	No Labs Meet	Canvas Syllabus Scavenger Hunt **AND** Week 1 OWL Bonus (Intro to OWL & Math Review) **AND** Week 2 OWL Homework (Ch 1 & 2) due Sunday 9/7/2024 11:55pm
	27-Aug	Chapter 1 Continued		
	29-Aug	Chapter 2: Matter and Energy		
2	**1-Sep**	No Lecture - Labor Day	No Labs Meet	
	3-Sep	Chapter 2 Continued		
	5-Sep	Chapter 5, 20.3, & 20.7: Atomic Theory		
Sept 8th, 11:59 pm: Schedule Adjustment Deadline. Last day to add, drop, or change grading basis.				
3	**8-Sep**	Chapter 5, 20.3, & 20.7 Continued	Lab Check-in; Intro to Lab; Lab Safety; In-class Safety Quiz	Week 3 OWL Homework (Ch 5, 20.3 & 20.7) **AND** Safety Survey (on Canvas) due Sunday 9/14/2024 11:55pm
	10-Sep	Chapter 6: Nomenclature		
	12-Sep	Chapter 6 Continued		
4	**15-Sep**	Chapter 6 Continued	Separation of an Unknown Mixture (Includes Prelab assignment)	Week 4 OWL Homework (Ch 6 & 8) due Sunday 9/21/2024 11:55pm
	17-Sep	Chapter 8: Chemical Reactions		
	19-Sep	Chapter 8 Continued		
5	**22-Sep**	Chapter 9, 19.4, & 19.5; Skip 9.2, 9.5 Chemical Change	Chemical Nomenclature	OWL Exam 1 Review Quiz (Ch 1, 2, 5, 20.3, 20.7, 6 & 8) due Friday 9/26/2024 8:00am
	24-Sep	In-class Review		
	26-Sep	**Exam 1** **(Ch 1, 2, 5, 6, 8, 20.3 & 20.7)**		
6	**29-Sep**	Chapter 9, 19.4, & 19.5 Continued	Constructing a Periodic Table	Week 6 OWL Homework (Ch 9, 19.4, 19.5) due Sunday 10/5/2024 11:55pm
	1-Oct	Chapter 11: The Quantum Model		
	3-Oct	Chapter 11 Continued		

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7	**6-Oct**	Chapter 12; Skip 12.9 Chemical Bonding	Chemical Reactions Turn in: p25: "Kind of Rxns" & p26: "Words to Rxn Formulas"	Week 7 OWL Homework (Ch 11 & 12) due Sunday 10/12/2024 11:55pm
	8-Oct	Chapter 13; Skip 13.5, 13.7 Structure and Shape		
	10-Oct	Chapter 13 Continued		
8	**13-Oct**	Chapter 3: Measurements & Calculations	Valence- Shell Electron-Pair Repulsion (VSEPR) Theory	Week 8 OWL Homework (Ch 13, 3 & 7) due Sunday 10/18/2024 11:55pm
	15-Oct	Chapter 7: Formula Relationships		
	17-Oct	Chapter 7 Continued		
9	**20-Oct**	Chapter 10; Skip 10.5-10.7 & 10.9-10.10 Quantity Relationships in Rxns	Mass & Density	OWL Exam 2 Review Quiz (Ch 9, 19.4, 19.5, 11, 12, 13, 3 & 7) due Friday 10/24/2024 8:00am
	22-Oct	In-class Review		
	24-Oct	**Exam 2** **(Ch 9, 19.4, 19.5, 11-13, 3, & 7)**		
10	**27-Oct**	Chapter 10 Continued	Identification of an Unknown Metal Carbonate (Includes Prelab assignment)	Week 10 OWL Homework (Ch 10 & 4) due Sunday 11/2/2024 11:55pm
	29-Oct	Chapter 4: Introduction to Gases		
	31-Oct	Chapter 14; Skip 14.7, 14.9 The Ideal Gas Law & Applications		
11	**3-Nov**	Chapter 15; Skip 15.7 Gases, Liquids, and Solids	Determination of the Molar Volume of a Gas and the Gas Constant	Week 11 OWL Homework (Ch 14 & 15) due Sunday 11/9/2024 11:55pm
	5-Nov	Chapter 15 Continued		
	7-Nov	Chapter 16; Skip 16.8-16.9 & 16.13-16.15 Solutions		
12	**10-Nov**	Chapter 16 Continued	**Mon lab only** No lab Tues (Veteran's Day) Specific Heat Capacity of a Metal	Week 12 OWL Homework (Ch 16) due Sunday 11/16/2024 11:55pm
	12-Nov	Chapter 17; Skip 17.4, 17.8 Acids & Bases		
	14-Nov	Chapter 17 Continued		
13	**17-Nov**	Chapter 17 Continued	Introduction to Acids and Bases	OWL Exam 3 Review Quiz (Ch 10, 4, 14 & 15, 16) due Fri 11/21/2024 8:00am
	19-Nov	In-class Review		
	21-Nov	**Exam 3** **(Ch 10, 4, 14 & 15, 16)**		
14	**24-Nov**	No Lecture Thanksgiving Holiday	**Tues lab only** Specific Heat Capacity of a Metal	Week 14 OWL Homework (Ch 17) due Sunday 11/30/2024 11:55pm
	26-Nov			
	28-Nov			
15	**1-Dec**	Chapter 18; Skip 18.10-18.13 Chemical Equilibrium	Acid- Base Titrations	Week 15 OWL Homework (Ch 18) due Sunday 12/07/2024 11:55pm
	3-Dec	Chapter 18 Continued		
	5-Dec	Chapter 18 Continued		
16	**8-Dec**	In-class Review	Locker check– out	OWL Final Exam Review Quiz (All material including Ch 17 & 18) due Fri 12/12/2024 8:00am
	10-Dec	**Exam 4** **(Chapters 17 & 18)**		
	12-Dec	N/A		
17	**15-Dec**	**Final Exam (Cumulative)** **8:00 AM - 10:00 AM**	*The final exam schedule for all courses can be found here:* *https://registrar.sdsu.edu/calendars/finals/fall-2025*	

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