Chemistry 201
Spring 2026

Lecturer: Dr. Young Kwang Lee
Email: Contact via Canvas, no direct emailing (youngkwang.lee@sdsu.edu)
Lecture: MWF 3:00 - 3:50 pm in ENS 280
Office Hrs: To be determined after a poll

Lab Coordinator: Laurie Clare
Email: lclare@sdsu.edu
MSLC office hours: Mon 10 - 11am, Tue 10:00 - 11:00 am
Office hours by appointment in CSL 313

Waitlist students should email the lab coordinator (lclare@sdsu.edu) with your name and Red ID info ASAP to gain access to materials on Canvas. You are 100% responsible for all assignments that are due and for keeping up with the work.

Text: Chapters 4, 7, 12-21 of "Chemistry" by Openstax; a PDF version of this is available for download on the Chem 201 Canvas site. You can also order an on-demand print version at the Book Store. Finally, if you wish, the entire text can be viewed online or downloaded for free from https://openstax.org/details/books/chemistry.

Lecture Note: Selected PowerPoint slides will be accessible on Canvas. However, since lectures include substantial board discussions, students are accountable for creating their own lecture notes.

Other Required Materials: Your Chem 201 Lab Manual will be available through "Day1 Ready" pricing. Your online homework will be available through "Spark", a product of Catalyst. If you opt out of Day 1 Ready, Spark can be purchased for $45 through the link available in Canvas. To sign up for Spark you need to use the following enrollment code: 4137. To pay for Spark you need the locate the Spark icon on the Day1Ready page to get an authorization code. The following items will have to be purchased outside of "Day1Ready": Lab Notebook, lab coat or flame-resistant yellow lab apron, safety glasses and a non-graphing, scientific calculator. To get your lab manual, go to the second-floor help desk in the bookstore and give the clerk your red ID number. When you purchase the lab notebook, make sure the lab notebook is a carbonless copy notebook. If you have lab notebooks from previous labs (chem or bio) that are carbonless copy capable you can use those. Make sure that you can hand in carbonless copies of your work to your TA. Make sure to have either a scientific calculator or graphing calculator. You will not be allowed to use your phones during exams

Getting Help: CHEM 201 Student Help will be available in the Math & Stats Learning Center (MSLC) located on the third floor of Love Library in room LL328 or online through Zoom. The MSLC will have chemistry tutors as well as TA help hours to help with working through old quizzes, homework, exams and lab reports, etc. The MSLC does have drop-in tutoring, you don't need to make an appointment to see a tutor. Find a tutor through https://mslc.sdsu.edu/question-queue/ A schedule for TA office hours at the MSLC can be found at https://mslc.sdsu.edu/ta-office-hours/. Please don't hesitate to attend **Dr. Lee's office hours** with any questions regarding the lecture. Contact the coordinator **Laurie Clare (lclare@sdsu.edu)** regarding labs and for rescheduling recitations, quizzes, worksheets, and if needed, make-up exams. When sending an email to Dr. Lee or Laurie Clare, please use **Canvas email system** and include your lab section number. This makes it faster to respond to your needs.

Email Policy: Students are provided with an SDSU Gmail account. Use this link**: SDSU Email Account** to create your account if you have not already. Your sdsu.edu account will be used for all communications. Students are encouraged to use **Canvas email system** for communication, as your messages might get lost in a lengthy queue of instructors' regular inboxes otherwise.
To ensure a prompt response, please include "CHEM 201" in the subject line of your emails and remember to **provide your full name and lab section number**. Per University Senate policy, students are responsible for checking their official university email once per day during the academic term. For more information, use this link**: Student Official Email Address Use Policy.** The course instructor and lab coordinator will be available via email to answer questions or to schedule office hour appointments. Please allow at least 24 hours for a response, longer over weekends and holidays.

Modes of Instruction, Lecture and Recitation: Unless otherwise instructed, all lecture and recitation classes are in-person. Lectures are held on Mondays, Wednesdays, and Fridays from 3:00 pm to 3:50 pm. **Recitations are held on Mondays and Tuesdays only. Attend only the recitation on your schedule**. Recitation sessions include review of lecture material followed by a 20–25-minute quiz or the TA will give a short review followed by handing out a worksheet. Students may collaborate and ask their TA questions to complete the worksheet.

Mode of Instruction for Lab: All labs are in-person. You must attend the lab section for which you are registered. If you attend any other lab section without permission from **the lab coordinator**, you will receive a zero score for the formal lab write-up.

Labs are two hours and forty minutes long, please do not arrive late and do not stay past your scheduled time. If you are more than 15 minutes late, you will not be allowed into lab

There are seven quantitative labs. Each one will have its own pre-lab quiz posted on Canvas and is to be completed before you go to lab. Each pre-lab quiz is worth 5 points. Please finish the quiz on time, it will not be reopened for any reason. If you are in a Wednesday lab section, your pre-lab quizzes will be available from the preceding Sunday at 6:00 AM to Tuesday at 11:55 PM. If you are in a Thursday lab section, pre-lab quizzes will be available from the preceding Monday at 6:00AM until Wednesday at 11:55 PM. No make-ups or due date extensions for pre-lab quizzes are given.

Pre-Lab write-up. Each of the seven quantitative labs require a pre-lab write-up. This should be written in your lab notebook then submit the carbon copy version of your write-up to your TA at the beginning of lab. Be sure to read through the lab manual for what is required to be written in your pre-lab.

Qualitative labs. There are three qualitative labs: the Mg Unknown, the Al Unknown and the General Unknown. The Mg and Al Unknown labs are single session qualitative labs with scores based solely on correctly identifying the contents of an issued sample. No participation points are involved. The General Unknown is a three-week lab (one lab session per week) . With only the General Unknown, a short report is due within one week of the last lab session. This report includes identifying the contents of your issued sample a Discussion section and you will also submit all your signed, carbon copy pages of experimental data and observations. This report is due one week after the last session. No pre-labs are required for qualitative labs, but observations and results must be recorded into the lab notebook, signed and dated by both you and your TA. Again, notebook pages are handed in to be graded.
Each student receives one card that is used to record the results for all qualitative labs. This card is used to record which ions are found or not found in your sample. You are asked to circle the ion symbol to indicate that you do have this ion in your sample vial or place an X through the ion symbol to indicate that you do not have this ion in your sample.

If you turn in a card where you circle and place an X on the same ion symbol, it will be counted as wrong and points will be subtracted.

Formal lab reports. For each quantitative lab you must submit a formal post lab report. **Each report must be typed.** If your report is not typed, it will not be graded, and you will receive a zero score. Each lab report contains "Sample Calculations" where these must be handwritten. To do this, you can type the report that includes a section header for "Sample Calculations". Print out the report then neatly write in your sample calculations, scan as a pdf file and submit. You can also neatly write out your sample calculations, scan or take a photo and paste this into your report. Make sure that your calculations are labeled and neatly written. Points will be deducted for obliterated calculations and/or messy presentation.
As you conduct each experiment, you must record your observations and data into your lab notebook **in ink**. Make sure at the end of the lab session your TA signs and dates your data pages. Turn in a carbon copy of your experimental data with each lab session. Data from the experiment is used to **type** a formal lab report and this is due before the start of the following lab meeting. Be sure to read through the lab manual for what is required to be written in your lab report. You TA will help guide you with this process. Late labs can be uploaded into Canvas up to one week past the due date. Two points will be deducted for each weekday the lab report is late. **Lab reports will not be accepted one week after due date**. Under no circumstance will you be allowed to turn in all your lab reports at the end of the semester

Absences

Absences from Lecture: If you are to miss a lecture, be assured that all lectures will be recorded on Mediasite and available on Canvas. You can watch any missed lecture but note that the video and sound quality may not be optimal.

Absences from Recitation:

Quizzes and worksheets are given during Monday or Tuesday recitations only. Quizzes are worth 20 points each and worksheets are 10 points each. There are no make-up quizzes or make-up worksheets but, the lowest quiz score is automatically dropped, and you get one "call-out".

A "call-out" is when you contact the lab coordinator **before** your recitation session begins to reschedule a recitation session during the same week. The lab coordinator will work with you to reschedule, ONE recitation session (during the same week). Be advised rescheduling is based on the number of students in other recitation sessions and may not be possible. Students get one "call-out". Be sure to contact the lab coordinator, Laurie Clare (lclare@sdsu.edu) **before** your recitation begins so that you could be placed into another recitation during the same week. This call-out applies to whether you miss a quiz or a worksheet. An example would be if you knew you could not make a particular Monday afternoon 5 pm recitation. You would contact the coordinator before your session starts and depending on seat availability, you could be rescheduled on the following Tuesday. Another example is if you are in the Tuesday 5 pm recitation you can reschedule one time into an earlier session as there is no later session. Remember, the lowest quiz score is automatically dropped and so if you miss one quiz for any reason (including illness) that quiz score is dropped.

Do not contact your TA if you are to miss a recitation. TAs are instructed to not help you with a make-up session. Your lowest quiz score is automatically dropped even if you were sick. **No worksheet scores are dropped.**

Absence from Lab: THERE IS NO LOWEST DROPPED SCORE FOR LAB REPORTS

If you are too ill to make it to a lab session or there has been a **family** emergency, please email the **lab coordinator, Laurie Clare lclare@sdsu.edu BEFORE** your lab session starts, otherwise, attendance to each lab is mandatory.

Documentation that provides evidence of illness, injury or emergency is required.

Illness or injury documentation must include the range of days your doctor excuses you from being at school. It must be signed by your doctor. Please do not provide information stating why you are ill, just the range of dates to be excused because of illness, as

stated by your doctor and your doctor's phone number. Documentation for emergency must show evidence of emergency. Each emergency is unique but, you must provide evidence that corroborates a true emergency.
If possible, you can be placed in another lab section. **This will be done one time only.** If we cannot place you in another lab section, lab data from the lab coordinator will be given. Do not automatically use data from your lab partner.

Long Term Medical Related Absence: Student Health Services (SHS) does not provide medical excuses for short-term absences due to illness or injury but, when your medical-related absence persists beyond five days, SHS will work with you to provide appropriate documentation. This includes when students are hospitalized or there is a serious, ongoing illness or injury. SHS will, at the student's request and with the student 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 Disability Services.

Ion Quiz- The ion quiz is given during the first lab meeting; a follow up quiz is given during the first recitation meeting. There are two sections in the quiz. In the first section, 10 ionic formulas are given, and you must write the ionic compound name based on the formula. In the second part of the quiz, 10 ionic compound names are given, and you must write the ionic formula for each name. If you miss 4 or less during the first try in your first lab meeting, you will receive 5 extra credit points. If you miss 5 or more, you have a second chance to pass the quiz by missing 4 or less during the first recitation meeting. If you miss 5 or more on your second chance, the lab coordinator will offer ion quiz sessions so that you do pass this quiz. You must pass this quiz to take Exam 1.

If you do not pass the ion quiz before exam 1, you will not be allowed to take the exam.

If you are a waitlisted student, be sure to attend a lab during the first week to receive the 5 extra credit points for passing the quiz on the first try. There will be no first try quizzes during the Week 2, first recitation session or any session past the first week lab session.

COVID-19 Protocols:
If you test positive for COVID, report your results to HealtheConnect through this link: Student Heath Services. Email your quarantine dates assigned by HealtheConnect or your personal physician to the lab coordinator in order to receive experimental data for the missed lab. You must provide clear evidence that you have tested positive for COVID and that you must be under quarantine for a particular range of dates.
If you must miss a class or lab due to being long term quarantined because of a positive COVID-19 result, you can also request a class excuse letter. Send an email to vpsafrontdesk@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 may be required prior to the letter being issued

Grading: Letter grades will be assigned based on your total points (1100 points) using the following scale:
A: 100.0-90.0 %; A-: 89.9-87.0 %
B+: 86.9-85.0 %; B: 84.9-80.0 %; B-: 79.9-78.0 %
C+: 77.9-75.0 %; C: 74.9-65.0 %; C-: 64.9-60.0 %
D: 59.9-50.0 %
F: <49.9 %

Point Distribution	
3 midterm exams, multiple choice, 75 pt ea.	225
Final, multiple choice, comprehensive	150
Quizzes (20 pts each), best 8 out of 9	160
4 Worksheets	40
Spark online homework, possible 20 pts ext. cred.	125
In-Class Surveys, possible 10 pts ext.cred.	0
Ion Naming Test, possible 5 pts ext.cred.	0
Pipet Exercise	5
7 Lab Reports	175
2 Group Unknowns, 20 ea.	40
General Unknown	50
Lab Points	20
Pre-lab Quizzes, 5 ea.	35
Safety Quiz (on paper)	12
Safety Training Acknowledgement Survey (online)	3
	1040 semester points

Quizzes: All quizzes, including second try for the ion quiz (ion test), will be given in assigned Recitation rooms. All quizzes except for the ion quiz will be based on **lecture material from the previous week**. There are a total of nine quizzes. The lowest quiz score is automatically dropped.

Canvas has been programmed to drop the lowest quiz score from the start of the semester.

Worksheets: No Worksheet scores are dropped.

Online Homework (Spark): Each lecture has associated homework administered via the Spark system.

Deadlines: Assignments have weekly soft deadlines. The final hard deadline for all assignments in a unit (grouped by exams) is the day before the corresponding exam. Specific dates are listed in the schedule table at the end of this syllabus. You can extend the hard deadline using Tokens you have earned (see below). No other means of extension will be provided. Do not ask for an extension. Spend your Tokens!

Why should I work on HW? Homework is specifically designed to reinforce the knowledge discussed in lecture. Quizzes and exams are largely based on homework problems; completing assignments on time will ensure you are prepared for all quizzes, worksheets, and exams.

Earning Spark Tokens: You earn 5 tokens for every assignment submitted before its soft deadline. You will earn around 200 tokens throughout the semester.

Using Tokens: You can spend tokens in two different ways. 1) Hard Deadline Extensions: Spend 10 tokens to extend a hard deadline by 48 hrs (up to 96 hrs per assignment). 2) Extra Credit: Any tokens remaining at the end of the semester will be converted to extra credit at a rate of 10 tokens = 1 point.

Do I need 100% completion to receive full credit for homework? Not necessarily. If you submit your homework before the soft deadline, you will earn 5 tokens (equivalent to 0.5 points). Since each assignment is worth between 3 and 4 points, you can use these tokens at the end of the semester to boost your scores. For example, if you complete 83.4% of a 3-point assignment or 87.5% of a 4-point assignment, the tokens can bridge the gap to full credit—provided you have not spent those tokens on hard deadline extensions.

In-class surveys: You can earn a maximum of 10 points through in-class surveys. Credit is based on participation only. These ungraded surveys may be administered at any time during lecture without prior notice to check for understanding. Students are responsible for ensuring their devices are configured to respond via Poll Everywhere. Since it all goes toward extra credits, there are no make-up opportunities for missed surveys for any reasons, including technical issues. Refer to the setup information provided on Canvas. For technical issues, please contact Poll Everywhere support directly at support@polleverywhere.com or at 1-800-388-2039.

Midterm exams: All exams are in-person. They will be held in ENS 280 and in another lecture hall to be determined. Exams are 50 minutes in duration starting at 3:00 pm and ending at 3:50 pm. They are **non-comprehensive** and will consist of 15 questions based on lecture material including topics covered in the class immediately preceding the exams. Please refer to the schedule table for exam dates, and more detailed information will be provided.

Final exam: The final exam will be held on Wednesday May 13, from 1:00 – 3:00 pm. It is **comprehensive** and will consist of 30 questions based primarily on questions from the previous 3 midterm exams. There will be a few questions based on material covered

in lecture after the third midterm exam. Please refer to the schedule table for exam dates, and more detailed information will be provided. We will not give an early final exam nor a make-up final exam to any student.

Make-up exams for midterms will be given only for legitimate excuses such as NCAA sanctioned athletic competition, SDSU student associated conferences, religious holidays, or personal medical emergencies. Documentation for missing an exam is required. Purchasing or having your parents purchase plane tickets to leave early for Spring Break or for Summer is not an accepted excuse. A doctor's appointments or "pre-planned" emergencies are not accepted excuses for missing exams. Documentation for emergencies must include a doctor's note stating the range of days that are excused. No exam make-up accommodations will be given for SDSU Club athletics or any dance clubs. Work is not a legitimate reason since exams are available at regular lecture time.

Make-up exams will be held on the Monday following a Friday exam at 6 am in CSL 522. **Make sure to contact Professor Clare or Dr. Lee before a midterm exam begins exam and provide the proper documentation. Those who participate in NCAA SDSU athletics should be sure to submit their schedule of competition to the lab coordinator, Laurie Clare (lclare@sdsu.edu) no later than February 2nd , 2026. If your religious holiday falls on an exam date, please notify the lab coordinator no later than February 2nd , 2026.**

Grade Disputes: Exam scores will be posted in Canvas within 2-3 hours following an exam. As soon as **everyone** has taken the exam, an exam key will be posted. If you suspect an error in your grade, please contact the lab coordinator within one week of the exam key posted. After one week, your grade stands. If you suspect an error in grading on your quiz or worksheet, please **contact your Recitation TA within one week of grades being posted**. If you suspect an error in grading your lab report, **please contact your lab TA within one week of that grade being posted**. If an unresolved grading dispute develops regarding your quiz, worksheet or lab, please contact the lab coordinator within 10 days of the posted grade. Your final exam is on Wed May 13, 2026, from 1-3 pm. Class grades will be posted within 1-3 days after final exam. After the posting of final class grades, you have 3 days to look over your scores and to contact the lab coordinator or Dr Lee to communicate any discrepancies.

Dropping the course: It is your responsibility to follow university policies regarding Cr/NC, drops, withdrawals, and incompletes. February 2, 2026 at 11:59 pm is the last day to add, drop, or change grading basis.

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). If warranted, the instance and documentation of plagiarism will be reported to the **The Center for Students Rights and Responsibilities** and the student will ***receive a grade of F for the course***. It is your responsibility to know what constitutes cheating and plagiarism.

While completing experiments students will work in pairs collecting data. We recognize that this data will be the same in both reports but if any other parts of the report are identical (not including the data), both students will receive zero scores. Other parts of the report that have to be your work only includes: tables (you have to create the table, not cut and paste from your lab partner), graphs (Except for Experiment 7 where you will be allowed to use your lab partner's graphs), sample calculations and interpretation of data. First time offense will result in a meeting with Lab Coordinator and all students involved will receive an F grade on the report. Second offense will warrant the reporting to The Center for Students Rights and Responsibilities which will result in disciplinary action.

Learning Objectives for Chem 201

The main goal of Chem 201 is to complete the general introduction to Chemistry begun in Chem 200 in order to prepare you for more advanced courses in science.

More specific goals are to

(1) Make sure you are completely comfortable with basic chemical "arithmetic", that is, calculations involving molecular weight, grams to moles, moles to grams, molarity, dilutions, reaction stoichiometry, and so on.

(2) Make sure you are completely comfortable with drawing and looking at Lewis structures of chemical compounds. To start to get you thinking of molecules as 3-D objects and not just a collection of letters and numbers in a molecular formula.

(3) Make sure you know the names, formulas, charges and structures of the common ions and the common strong acids and bases.

(4) To learn to identify and understand what is happening in three fundamental types of chemical reactions: (i) acid-base reactions, (ii) ion dissolution and precipitation reactions and (iii) oxidation/reduction reactions.

(5) To learn that there are two aspects to all chemical reactions - thermodynamics and kinetics, that thermodynamics determines the final result or equilibrium state of a chemical reaction, and that kinetics determines how long it will take to reach the equilibrium state.

(6) More specifically, with regard to thermodynamics, to learn how we characterize the equilibrium state using the equilibrium constant expression and equilibrium constant (K), how you can use knowledge of K along with other information (starting concentrations and stoichiometry) to calculate the final concentrations in a reaction, and how you can experimentally determine values of K by measuring the final concentrations. You should also learn that ultimately the value of K is determined by the thermodynamic properties (enthalpy, entropy and free energy) of the reactants and products in a chemical reaction and how you can use knowledge of these values to calculate K's.

(7) With regard to kinetics, you should learn how we characterize the kinetics or speeds of chemical reactions with the rate law and rate constant (k), how we have to determine both of these quantities by experiment, and what types of experiments can be done to do this. You should also learn that the kinetics are determined by the exact path or mechanism that converts reactants to products, and how knowledge of the rate laws is very useful in determining what are likely mechanisms for a reaction.

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Accommodations (SDS):

SDSU via the Student Disabilty Services (SDS) provides accommodations for students with documented disabilities or medical conditions covered under the Americans with Disabilities Act (ADA). In keeping with current public health guidance, no accommodations will be granted to students without an ADA-qualified disability or medical condition.

If you are a student with a disability and need accommodations for this class, please contact the Student Disability at sds@sdsu.edu as soon as possible. Accommodations are not retroactive; we cannot provide accommodations based upon disability until Dr Lee and Laurie Clare have received an accommodation letter from the Student Ability Success Center. If you are not on the SDS list of students, we cannot offer accommodation. SDS registration and accommodation approvals may take up to 10-14 business days, so plan accordingly.

SDS students are responsible for making appointments on time

Flex Plans for SDS students- Post Labs write-ups and homework assignments allow one week to be completed; therefore, no flex plans are accepted for these assignments. Pre-lab quizzes are due within 3 days and before the lab begins, therefore no flex plans are accepted for these assignments. Online HW provides flexible dues using soft deadlines, therefore no flex plans are accepted for HW assignments.

Away Games and Competition for SDSU NCAA Athletes

If you are an SDSU NCAA Athlete, send your schedule of competition to the lab coordinator, lclare@sdsu.edu. Accommodations will be made to help mitigate missed assignments because of scheduled games or competitions. Please have your coach email your Spring 2026 event schedule to the lab coordinator before February 2nd , 2026. This accommodation does not apply to students in an SDSU athletic club or any other athletic or dance club.

Religious Holidays

According to the University Policy File, students should notify instructors of planned absences for religious holidays by the end of the second week of classes, February 2nd ,2026 . Contact the coordinator: lclare@sdsu.edu

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 lab coordinator, (lclare@sdsu.edu) with the name you wish to use. Similarly, if you have preferred pronouns that you wish to be addressed by, please contact the coordinator. The coordinator will communicate your desires to the TAs and all instructional staff will gladly honor your request.

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.
Suggested: Consider adding a link to your college's Student Success Center or your department's tutoring center or supplementary instruction activities.

- CAL Student Success Center: https://cal.sdsu.edu/academics/student-success
- College of Education Student Success Center: https://education.sdsu.edu/oss
- Center for Student Success in Engineering: https://csse.sdsu.edu/advising/advising
- College of Science Student Success Center: https://cossuccess.sdsu.edu/
- Fowler College of Business Student Success Center: https://business.sdsu.edu/undergrad/advising
- College of Health and Human Services Advisors: https://chhs.sdsu.edu/academics/advising
- Imperial Valley Campus Student Success and Retention:https://imperialvalley.sdsu.edu/about/departments/student-affairs/retention
- College of Professional Studies and Fine Arts Advisors: https://psfa.sdsu.edu/resources/student_advisors
- Math & Science Learning Center: https://mslc.sdsu.edu/

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.

The Family Educational Rights and Privacy Act (FERPA) mandates the protection of student information, including contact information, grades, and graded assignments. Dr Lee or Laurie Clare will not post grades or leave graded assignments in public places. Students will be notified at the time of an assignment if copies of student work will be retained beyond the end of the semester or used as examples for future students or the wider public. No information about grades will be given to parents.

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 to be connected with the SDSU library's technology checkout program. The technology checkout program is available to both SDSU and Imperial Valley students.

Land Acknowledgement:

We stand upon a land that carries the footsteps of millennia of Kumeyaay people. They are a people whose traditional lifeways intertwine with a worldview of earth and sky in a community of living beings. This land is part of a relationship that has nourished, healed, protected, and embraced the Kumeyaay people to the present day. It is part of a world view founded in the harmony of the cycles of the sky and balance in the forces of life. For the Kumeyaay, red and black represent the balance of those forces that provide for harmony within our bodies as well as the world around us. 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

Spring 2026 Schedule

Week # and Dates	Lecture Monday	Recitation Mon/Tues	Lecture Wednesday	Lab Wed/Thurs	Lecture Friday
#1 Jan.19– Jan. 23	Martin Luther King Holiday *No Classes*	First Day of Classes No recitation during Week 1	**L1**. First Lecture Meeting - Introduction to Class	Introduction to lab, lab safety & Safety Quiz Pipetting Exercise **Ion Test – 1st try**	**L2**. Chap. 7 - Review of Lewis Structures of Organic Compounds
#2 Jan. 26 - Jan 30	**L3.** Chap. 7 - Review of VSEPR: Drawing 3D Structures of Organic Compounds	Introduction to recitation **Ion test – 2nd try**	**L4**. Chap. 7-Review of Lewis Structures of Main Group Inorganic Compounds; Formal Charge and Resonance	Locker Check-in **Experiment 1** – Introduction to the Spectrophotometer	**L5**. Chap. 4 - Review of Basic Reaction Stoichiometry; Limiting Reagents
#3 Feb 2 - Feb. 6	**L6.** Chap. 13 - Equilibrium Basics: Equilibrium Constants **Add/drop deadline** **L2-4 HW soft deadline due, 11:59 pm**	**Quiz 1 (L2-4)**	**L7.** Chap. 14 - Dynamic Equilibrium: Bronsted Acids and Bases	**Mg Group Unknown** *Exp. 1 report due*	**L8**. Chap. 14 - Conjugate Acid/Base Pairs, pH & pOH
#4 Feb.9 - Feb. 13	**L9**. Chap. 14 – pH of Strong Acids and Bases **L5-7 HW soft deadline due, 11:59 pm**	**Quiz 2 (L5-7)**	**L10.** Chap. 14 – pH of Weak Acids Solutions	**Experiment 2**- Phosphate Analysis	**L11.** Chap. 14 – pH of Weak Base Solutions
#5 Feb. 16 - Feb. 20	**L12**. Chap. 14 – IDing Molecular and Ionic Acids and Bases **L8-10 HW soft deadline, 11:59 pm**	**Quiz 3 (L8-10)**	**L13.** Chap. 14 – pH of Ionic Acid/Base Solutions	**Experiment 3-** Using pH meter to measure Ka and Kb *Exp. 2 report due* **L2-10 HW hard deadline, 11:50 pm**	**Exam 1 (L1-13)**

February 2nd – Schedule adjustment deadline -Last day to add, drop, or change grading basis (11:59 pm deadline) and last day to opt out of Equitable Access.

Week # and Dates	Lecture Monday	Recitation Mon/Tues	Lecture Wednesday	Lab Wed/Thurs	Lecture Friday
#6 Feb. 23 – Feb 27	L14. Chap. 14 – Buffers **L11-13 HW soft deadline, 11:59 pm**	**Worksheet 1 (L11-13)**	L15. Chap. 14 – Buffers	**Al Group Unknown** *Exp.3 report due*	L16. Chap. 14 – Strong acid/base titrations
#7 March 2 – March 6	L17. Chap. 14 – Titrations of Weak Acids and Bases **L14-15 HW soft deadline, 11:59 pm**	**Quiz 4 (L14-15)**	L18. Chap. 15 Ionic Solubility Equilibria	**Experiment 4** - Titration Curves *Exp.3 report due*	L19. Chap. 15 - Factors Affecting Solubility: LeChatelier's Principle
#8 March 9 – March 13	L20. Chap. 15 – Factors Affecting Solubility; Complex ions **L16-18 HW soft deadline, 11:59 pm**	**Quiz 5 (L16-18)**	L21. Chap. 15 – Precipitation Reactions; Qual Scheme	**Experiment 5** – Determining Kf of a Complex Ion *Exp.4 report due*	L22. Chap. 16 – Entropy
#9 March 16 - March 20	L23. Chap. 16 - $\Delta H°$ and $\Delta S°$; 2nd Law of Thermodynamics **L19-21 HW soft deadline, 11:59 pm**	**Quiz 6 (L19-21)**	L24. Chap. 16 - Free Energy	**General Unknown** *Exp.5 report due*	No School – NCAA basketball game
#10 March 23 - March 27	L25. Chap. 16 –ΔG and Equilibrium **L22-24 HW soft deadline, 11:59 pm**	**Quiz 7 (L22-24)**	L26. Chapter 17 Balancing Oxidation and Reduction Rxns	**General Unknown** **L11-24 HW hard deadline, 11:59 pm**	**Exam 2 (L14-25)**
#11 Mar. 30 – April 3	Cesar Chavez Day SPRING BREAK	SPRING BREAK	SPRING BREAK	SPRING BREAK	SPRING BREAK

Week # and Dates	Lecture Monday	Recitation Mon/Tues	Lecture Wednesday	Lab Wed/Thurs	Lecture Friday
#12 Apr. 6 - Apr. 10	**L27**. Chap. 17 – Electrochemical Cells	**Worksheet 2 (L25-26)**	**L28.** Chap. 17 – Standard Electrode Potentials **L25-26 HW soft deadline, 11:59 pm**	**General Unknown**	**L29.** Chap. 17 - Using Standard Electrode Potentials
#13 Apr. 13 - Apr. 17	**L30.** Chap. 17 – Nernst Equation, Concentration Cells **L27-28 HW soft deadline, 11:59 pm**	**Quiz 8 (L27-28)**	**L31.** Chap. 12 - Rate of Reaction	**Experiment 6** Echem Cells *Gen. Unk. report due*	**L32.** Chap. 12 - Rate Laws
#14 Apr. 20 - Apr. 24	**L33.** Chap. 12 – Integrated Rate Laws **L29-31 HW soft deadline, 11:59 pm**	**Worksheet 3 (L29-31)**	**L34.** Chap. 12 – Pseudo Order kinetics Arrhenius Eqn	**Experiment 7** Kinetics *Exp.6 report due*	**L35**. Chap. 12 – Collision Theory
#15 Apr. 27 – May 1	**L36**. Chap. 12 – Transitions States **L32-34 HW soft deadline, 11:59 pm**	**Quiz 9 (L32-34)**	**L37.** Chap. 12 - Mechanism	Locker Check Out *Exp.7 report due* **L25-34 HW hard deadline, 11:59 pm**	**Exam 3 (L26-37)**
#16 May 4 - May 8	**L38**. Chap. 12- Catalysis **L35-37 HW soft deadline, 11:59 pm**	**Worksheet 4**	**L39**. Chap. 21 – Nuclear Reactions and Radioactivity **L38-39 HW deadline on May 12, 11:59 pm**		

May 6 is last day of semester FINAL EXAM, May 13 (Wednesday), 1:00 – 3:00 PM