

WELCOME TO CHEM 200 @ SDSU!



Your instructors and the SDSU Chemistry faculty enthusiastically welcome you to this course. Please take the time to closely read this syllabus. The answers to your questions can be found here!

Are you ready to take Chem 200 this semester??

The prerequisites for CHEM 200 are one year of high school chemistry, two years of algebra, and a passing score on the Placement Test, or a passing grade (a C or higher) in Chem 100. Chemistry 200 is a demanding, 5-unit course which requires an enormous amount of time and your commitment to work hard! (Please do NOT take this course unless you are prepared to commit the necessary time and hard work.) It is advisable that you make Chemistry 200 the focus of your semester and that you do NOT overburden yourself with an unmanageable course load while taking this course. YOUR success is our success, and we want you to succeed in this course. YOUR success requires a large time commitment and hard work - please do NOT take this course unless you are willing to allow sufficient time to study, attend ALL lectures, and attend ALL labs with preparation in advance. Writing good laboratory reports also requires a lot of time and preparation prior to lab. You will enjoy your semester in Chemistry 200 - and you will benefit in the sciences so much more from all that you learn - if you allow yourself the time necessary to work hard and succeed. PLEASE ALLOW ADEQUATE TIME IF YOU TAKE THIS COURSE!

This syllabus and schedule are subject to change at the instructor's discretion.

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I. General Information	
LOCATION/TIME	ENS- 280 MWF 11:00 am – 11:50 am (Bowles and Holland) MWF 2:00 pm – 2:50 pm (Schroeder)
PROFESSOR	<p>Megan Bowles, MA (1/17-2/28; 4/8-4/12) Office: GMCS- 213A Office Hours: Tuesday 12-2 PM Gregory Holland, PhD (3/1-4/5; 4/15-5/3) Office: GMCS-213C Office Hours: Monday 12-2 PM (or by appointment) Richard Schroeder, Office: TBA Office Hours: TBA</p>
	<p>Effective Spring 2022, students who register for face-to-face classes are expected to attend as indicated in the course schedule. Faculty teaching face-to-face courses will not be required to create a new, alternative on-line class as accommodation for any student. Compliance with CSU / SDSU vaccination and facial covering policies is required.</p> <p>Students with medical conditions that would present a COVID-related risk in a face-to-face instructional setting should contact the Student Ability Success Center (https://sdsu.edu/sasc) to begin the process of getting support. Students who do not adhere to the Covid19 Student Policies or the directives of their faculty will be directed to leave the classroom and will be referred to the Center for Student Rights and Responsibilities. Do not come to campus if you do not feel well. Remain home and monitor your symptoms and seek medical attention as needed.</p>
II. Contact Information	
INSTRUCTOR /COORDINATOR EMAIL	<p>chem200@sdsu.edu</p> <p>DO NOT contact your instructors or TA's over Canvas, you will not receive a response.</p> <p>ALWAYS include BOTH your Course number and your section number!!</p>
CONTACT HOURS	<p>Your TA's and your instructors keep regular business hours (Monday – Friday, 8am to 5pm). If you contact them outside these hours, you may not receive a response until the next business day. If you wait until the weekend to try and get your questions answered, you may not get the help you need before the assignment is due!</p>
STUDENT COMMUNICATION	<p>Students are provided with an SDSU Gmail account, and this SDSU email address will be used for all communications. Per University Senate policy, students are responsible for checking their official university email once per day during the academic term. Instructors and TA's are not at liberty to respond to messages sent from external emails. For more information, please see Student Official Email Address Use Policy. Students will be identified according to their LAB SECTION NUMBER. This is how you are organized on Canvas and how your TA's and Instructors will find you. ALWAYS INCLUDE YOUR LAB SECTION NUMBER AND COURSE NUMBER IN THE SUBJECT LINE OF YOUR EMAIL. THERE ARE DIFFERENT LAB SECTIONS, LECTURE SECTIONS,</p>

	<p>DISCUSSION SECTIONS ETC. AND WE WILL NOT BE ABLE TO ANSWER YOUR QUESTIONS UNTIL WE HAVE THAT INFORMATION TO FIND YOU.</p> <p>Example Email Subject Lines: "CHEM 200-1017: Question about my OWL score" "CHEM 202-2003 : Missing Lab on 9/12"</p>
III. Required Materials	
TEXTBOOK	<p><i>Openstax Chemistry Book 2e</i>: https://openstax.org/details/books/chemistry-2e Free to download PDF via OpenStax Website. A hardcopy will be available in the bookstore for those who want to use a bound copy.</p>
SCIENTIFIC CALCULATOR	<p>Needs to be scientific, but non-graphing and non-programmable. Your Cell Phone is not a substitute for a calculator! You will not be able to use your phone in the laboratory.</p>
COMPOSITION NOTEBOOK (recommended)	<p>We highly recommend everyone buys a composition book in order to work on the problem sets, keep good notes and make your studying more efficient.</p>
LAB MATERIALS	<p>Your subscription to LabFlow will include Safety Glasses, a Lab Coat and a Lab Notebook at no additional cost. All students will be provided with these items on the first day of lab.</p>
IV. Online Resources	
It is HIGHLY recommended that you're enroll in Equitable Access for this course!	
CANVAS	<p>Canvas will be used in this course. Enrollment in Canvas is automatic if you are currently enrolled in this course. Canvas will contain all of the course information and assignments. Canvas will also be used for all course communication so you should check Canvas regularly to keep up to date on important announcements. All assignments for this course will be turned in on Canvas. Your instructors and TA's are available to answer any questions about Canvas, but it is ultimately your responsibility to troubleshoot any technical issues. Late assignments will not be accepted, including those that were not successfully submitted due to technical difficulties. Make sure to check your submissions after you upload to ensure that your TA is able to see your work for grading.</p>
OWL LECTURE	<p>OWL Lecture will be where you access your Chapter Problem Sets, Chapter Assessments and EXAMS. Directions for enrolling in OWL Lecture can be found on Canvas or on the Chem 200 website. YOU SHOULD USE GOOGLE CHROME WHILE USING OWL. Many issues can be solved by accessing OWL in Incognito Mode. If you are having issues with OWL, clear your cache and cookies and then try to access the program again.</p>
LABFLOW	<p>Lab Reports, Pre-Labs and Pre-Quizzes (previously called Pre-Assignments) will be submitted on LabFlow</p>
TOP HAT	<p>Top Hat will be used to record your attendance Discussion. Instructions for using Top Hat will be given on the first day of lectures as well as in discussion. Top Hat will allow you to participate in discussions by answering questions during the presentation. Participation in Discussion is mandatory.</p>
V. Online Submission Policy	
	<p>The deadlines for the online assignments, including lab reports, pre-labs, OWL Assignments, and other assignments are hard deadlines and extensions will not be granted. All assignments will be scheduled with sufficient time to allow you to complete the assignment in advance of the "last minute". <i>Consequently, you are solely responsible for any failures to complete the assignment by the scheduled time.</i></p>

	<p>Problems such as lack of internet service, OWL site problems, or dogs eating WiFi routers will not be acceptable reasons for not completing the assignments. <i>You are encouraged to complete the assignments well before the deadlines to avoid potential technological obstacles.</i> If you have any personal technology issues the Library Computing Hub provides computing and technical support for students. In the case of an extended system-wide failure the instructors will be notified by the site operator and steps will be taken to accommodate any problems that arise.</p> <p>For all technical difficulties or errors that arise with the OWL system please contact Cengage technical support staff directly by phone and email.</p> <p>The instructors, lab coordinator, and TAs are not IT support and will not be able to help you with anything but the most basic common issues.</p>
VI. Waitlist Information	
	<p>If you are attempting to waitlist CHEM 200, you should attend every possible lab section, discussion, and lecture that will fit into your schedule. And keep track of which discussion and lab you attended. Email chem200@sdsu.edu for access to the waitlist folder. Remember, you are 100% responsible for all assignments that are due and to keep up with the work. <i>Waitlist students who are attempting to register for the course should email: chem200@sdsu.edu with their name and RedID info ASAP.</i></p>
VII. Attendance Policy	
LECTURE	Lecture attendance is optional but highly encouraged.
LAB AND DISCUSSION	<p>You are required to attend the Lab and Discussion Section in which you are enrolled. <u>Attendance is mandatory and students who miss more than 30% of the lab or discussion meetings will not receive a passing grade in this course.</u> There will be no opportunity to make-up lab or discussion work. You can miss one lab or discussion, for any reason, without negative impact to your grade. Missing more than one lab or discussion session will result in missed points that you will not be able to make up. If you need to miss more than one lab or discussion, email the lab coordinators at chem200@sdsu.edu immediately.</p>
EXAMS	<p>Exams are taken online and MUST be taken within the scheduled 24 hour window. Proper documentation is required to avoid receiving a grade of zero on a missed course component two weeks into the semester (by 02/02/2024). There will be no makeup exams outside of extenuating circumstances (<i>e.g. illness during the 24 hr exam period</i>). It is your responsibility to ensure that you will be available for online exams with proper internet accessibility and bandwidth. Excused absences for exams will only be awarded in the case of legitimate reasons (illness, scheduled academic/athletic events, court</p>
MEDICAL ABSENCES	<p>If you must miss class due to illness, injury or emergency, please note:</p> <p>University policy instructs students to contact their professor/instructor/coach in the event they need to miss class due to an illness, injury, or emergency. All decisions about the impact of an absence, as well as any arrangements for making up work, rest with the instructors. Please see the above Attendance policy.</p> <p>If a student misses class because of COVID-19, either because they have been diagnosed and are quarantined or are required to isolate and would like to request a class excuse letter, the student should send an email to 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.</p>

	<p>Student Health Services (SHS) does not provide medical excuses for short-term absences due to illness or injury. When a medical-related absence persists beyond five days, SHS will work with students to provide appropriate documentation.</p> <p>When a student is hospitalized or has a serious, ongoing illness or injury, SHS will, at the student's request and with the student's consent, communicate with the student's instructors via the Vice President for Student Affairs and Campus Diversity and may communicate with the student's Assistant Dean and/or the Student Ability Success Center.</p>
OTHER ABSENCES	If you plan to be absent for a religious observance or holiday, notify the coordinator at chem200@sdsu.edu no later than 02/02/2024 .
VIII. Resources to Help You Succeed	
CHEM 200/202 HELP ROOM @ the MSCL	<p>Chem 200 TAs will hold their office hours virtually through the MSLC https://mslc.sdsu.edu/chemistry200-ta/ The MSLC will also have in-person Chem tutors during their open hours. https://mslc.sdsu.edu/</p>
SUPPLEMENTAL INSTRUCTION	<p><i>Free</i> study sessions designed to keep you up to date with the course. SI Sessions are open to all students, and you can attend as many sessions as you want throughout the semester. Participation is completely <i>voluntary</i>, and the instructor does not know who participates. SI Sessions are led by an SI Leader, a <i>current student</i> who has recently successfully completed the course. Students who participate in SI Sessions typically earn higher final course and exam grades than students who do not participate, sometimes by a half to a full letter grade.</p> <p>Why Attend SI?</p> <ul style="list-style-type: none"> • Keep up with the class material • Study with other students in live time (don't study alone!) • Meet other students from the class • Improve your grade <p>CHECK OUT THE SI CALENDAR: bit.ly/chem200sicalendar SI Program: bit.ly/SIatSDSU Meet the SI Leaders: caa.sdsu.edu/supplemental-instruction/leaders</p> <p><i>To get the most out of SI, attend early and often.</i></p>
TEST ACCOMMODATIONS	If you are a student with a disability and are in need of accommodation for this class, please contact Student Ability Success Center at sascinfo@sdsu.edu (or go to sdsu.edu/sasc) as soon as possible. Please know accommodations are not retroactive, and I cannot provide accommodations based upon disability until I have received an accommodation letter from Student Ability Success Center. SASC registration and accommodation approvals may take up to 10-14 business days, so please plan accordingly.
IX. General Learning Outcomes	
Below is a summary of what students should be capable of upon the successful completion of this course.	
	<ul style="list-style-type: none"> • Perform calculations with the correct number of significant figures with a variety of SI units. • Name and write a range of simple ionic and molecular formulas. • Describe the structure of atoms and the various classes of compounds that they can form. Classify the different states of matter and describe each state at the molecular level. • Use Avogadro's number and reaction stoichiometry to calculate the amounts of

	<p>reactants and products involved in chemical reactions.</p> <ul style="list-style-type: none"> • Write and balance chemical reactions. • Describe the major classes of chemical reactions at a molecular level and perform stoichiometric calculations related to these reactions. • Describe, manipulate, and use the ideal gas law. • Describe the kinetic-molecular theory of gases and how it deviates from real gas behavior. Perform calculations on the exchange of heat in thermochemical processes. • Calculate the enthalpy of chemical reactions. • Describe and apply the quantum theory rules of atomic structure. • Describe the electron configurations of many electron atoms. • Use trends in atomic properties to compare different elements. • Differentiate and describe the various models of chemical bonding. • Compare and calculate bond energies. • Draw and identify molecular structures based on the Lewis and VESPR models. • Describe covalent bonding in terms of the valence bond and molecular orbital theories. • Define the various changes of physical states for a substance and quantify the related enthalpy changes. • Describe and differentiate the various forms of intermolecular forces. • Describe and predict solubility in terms of intermolecular forces. • Quantify the influence of solutes on the colligative properties of solutions.
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X. The “Big Lecture”

LECTURE SCHEDULE

Professor Bowles' Lectures in Red

Professor Holland's Lectures in Blue

	Date	Topic	Chapter
1	W 01/17	Syllabus	
2	F 01/19	Introduction to Chemistry, Classification of Matter	1
3	M 01/22	Measurement and Uncertainty	1
4	W 01/24	Atomic Theory and The Periodic Table	2
5	F 01/26	Ionic/Covalent Compounds, Chemical Nomenclature	2
6	M 01/29	The Mole, Empirical and Molecular Formulas	3
7	W 01/31	Molarity and Other Units of Concentration	3
8	F 02/02	Chemical Reactions and Balanced Equations	4
9	M 02/05	Reaction Stoichiometry and Reaction Yields	4
10	W 02/07	Quantitative Chemical Analysis	4
11	F 02/09	Exam 1 Review	-
12	M 02/12	Energy, Temperature and Heat	5
13	W 02/14	Calorimetry I: Heat Capacity and Specific Heat	5
14	F 02/16	Calorimetry II: Enthalpy of Reaction	5
15	M 02/19	Defining Enthalpy and State Functions	5
16	W 02/21	Enthalpy of Combustion	5
17	F 02/23	Hess's Law and Enthalpy of Formation	5
18	M 02/26	Electromagnetic Energy	6
19	W 02/28	The Bohr Model of the Atom	6
20	F 03/01	Quantum Theory	6

21	M 03/04	Electron Configurations	6
22	W 03/06	Periodic Variations in Element Properties	6
23	F 03/08	Exam 2 Review	-
24	M 03/11	Ionic and Covalent Bonds	7
25	W 03/13	Lewis Symbols and Structures	7
26	F 03/15	Formal Charge and Resonance	7
27	M 03/18	Strengths of Ionic and Covalent Bonds	7
28	W 03/20	Molecular Structure and Polarity	7
29	F 03/22	Valence Bond Theory	8
30	M 03/25	Hybrid Atomic Orbital	8
31	W 03/27	Molecular Orbital Theory	8
32	F 03/29	Pressure and Pressure Conversions	9
-	M 04/01	SPRING BREAK – NO LECTURE	-
-	W 04/03		-
-	F 04/05		-
33	M 04/08	Pressure, Volume, Amount and Temperature	9
34	W 04/10	The Ideal Gas Law	9
35	F 04/12	Gas Stoichiometry	9
36	M 04/15	Gas Stoichiometry	9
37	W 04/17	Effusion and Diffusion	9
38	F 04/19	Exam 3 Review	-
39	M 04/22	Kinetic Molecular Theory	9
40	W 04/24	Intermolecular Forces, Properties of Liquids	10
41	F 04/26	The Solid State of Matter, Lattice Structures	10
42	M 04/29	The Dissolution Process and Electrolytes	11
43	W 05/01	Solubility and Colloids	11
44	F 05/03	Final Exam Review	-

LECTURE ASSIGNMENTS

The following assignments can ALL be found in OWL Lecture

Before you begin there will be five Getting Started with OWL Assignments in the OWL Lecture, which you **must** complete before you attempt any other assignments in the OWL program. **If you do not see the assignments, click on Show All Assignments.** Attempting to use OWL without understanding how the program works can lead to issues later on. Please take notes while you are doing these four assignments since the topics will be covered later.

IMPORTANT REGARDING THE OWL DEADLINES: The OWL program does not allow me to use the :59 so I am giving you one extra minute; my other option was :55 and you lose 4 minutes. So just remind yourself it's due on "Day of the Week" at 11:59 pm so you don't confuse yourself.

Any OWL assignments submitted after the deadline will receive a 50% point penalty. EXTENSIONS WILL NOT BE GRANTED UNDER ANY CIRCUMSTANCES. You should be continuously working on the OWL problems throughout the semester. Trying to completing OWL assignments at the last minute does not give you time to deal with unforeseen circumstances such as illness or technical difficulties and you will lose points.

Description		
Math Review (Optional)	The Math Review is to help refresh your memory and your knowledge on basic math skills and algebra skills you need in this course.	
General Chemistry Review (Optional)	General Chemistry Review is an assessment review on key chemistry concepts and essential skills to help you determine if you are ready for Chem 200. There will be 34 questions in the quiz that will assess your knowledge on chemistry concepts and essential skills in chemistry. This assignment (the graded quiz) can replace Chapter 1 and 2 Problem Sets; if you choose to do it. You have unlimited tries to receive a perfect score and there will be no 85% adjustment if you choose to do this assignment over the Chapter 1 and 2 Problem Sets.	
Chapter Problem Sets	<p>There will be a chapter problem set from each of the 11 chapters covered in the text. <i>Work on the problems several days before it's due so you have time to go to the help room and ask for more help. Never wait until the last day to work on the problem set,</i> otherwise you will be rushing through the assignment and instead of learning how to break down problems and theories to better equip you for the exams. Full points can be obtained for each chapter's problem set by scoring above 85% on the problems for that chapter.</p> <p>A score $74\% = (74\% \div 85\%) \times 10 = 8.7$ points</p> <p>It is in your best interest to complete all the problem sets to ensure that you are fully prepared for the exams. The adjusted points will be calculated throughout the semester. Please watch your email for important announcements regarding the uploads. Errors occur due to incorrect RedID, multiple OWL accounts, and/or your work is in the wrong section.</p>	
Chapter Assessments	Chapter Assessments (OWL Lecture) are hard deadlines and extensions will not be granted. You will have two attempts at the chapter assessment. The Chapter Assessments questions are to assess your learning of that Chapter and to help prepare you for the exam. Do not wait until the last minute to complete the prep.	
Exams	Exams for this course will be given online on OWL Lecture. Exams will be available from 3:00 pm on Friday until 3:00 pm on Saturday. To ensure your Exam runs smoothly, be sure to use Chrome and clear your cache and cookies before you begin the exam. Having additional tabs open can affect the performance of the program. Close all other browser windows and do not open any new windows while taking the exam.	
XI. The Lab Section		
LAB ATTENDANCE	You must attend the lab section in which you are enrolled. Participation in the Lab portion of this course is mandatory. <u>You must attend 70% of the lab meetings in order to pass the course.</u> There will be 10 experiments performed this semester. Your lowest lab score will be dropped at the end of the semester. That means that you can miss one of the experiments* without a negative impact to your grade. If you need to miss more than one lab period for any reason, contact your TA and CC your lab coordinators at chem200@sdsu.edu	
LAB SCHEDULE		
Week of	Lab Topic	#
01/15	No Lab Meetings	-
01/22	Lab Safety, How to Write a Pre-Lab and Keep a Lab Notebook	0
01/29	Use of Volumetric Equipment	1
02/05	Qualitative Analysis	2
02/12	Limiting Reagent	3

02/19	Standardization of NaOH	4
02/26	Molar Mass of Citric Acid	5B
03/04	Calorimetry I: Specific Heat Capacity	6
03/11	Calorimetry II: Enthalpy of Reaction	7
03/18	Atomic Emission	8
03/25	Analysis of an Aluminum Zinc Alloy	9
04/01	No Lab Meeting	-
04/08	Freezing Point Depression	10
04/15	TA Seminar*/Lab Practical Review	-
04/22	Lab Practical	-
04/29	Locker Check-Out**	

*The TA Seminar is NOT one of the Lab Assignments that you can drop. It is very important to attend this lab session. **You may receive a \$35 fee if you are not present to check out your locker. If you are not able to attend this lab session, contact the lab coordinators immediately at chem200@sdsu.edu

LAB ASSIGNMENTS

Lab Safety Quiz	(LABFLOW) Your first lab meeting will cover lab safety and you will take a lab safety quiz. You must receive a score of 60% or greater in order to continue to participate in lab. If you fail to achieve a 60% or higher on the online quiz, the lab coordinator will give you a paper quiz. Once you pass the paper lab safety quiz you will be allowed to attend lab.
EH&S Form	(CANVAS) This course requires the use and handling of hazardous materials. You must complete the Environmental Health and Safety module and survey in our Canvas course by Friday, January 26th at 11:59 pm. If you do not complete the form by the deadline you will not be allowed to enter the labs until it has been completed.
Pre-Lab Quiz	Pre-Lab Quizzes (LABFLOW) are to help you prepare yourself for the lab you will be doing. There will be calculations, safety questions, and topic questions to help you understand what you are doing in the lab. This assignment must be completed before coming to lab and will be due at the start of your lab period each week.
Pre-Labs	Pre-Labs will need to be submitted LabFlow. Pre-labs will be reviewed by TURNITIN and pre-labs that are plagiarized will be given an automatic zero and will be reported If you have issues with submitting your prelab, email chem200@sdsu.edu and your lab TA with a PDF file of the report BEFORE the deadline. One-minute late assignments are still late assignments and will receive a zero. Pre-labs are due at the start of your lab period
Lab Reports	You will perform your lab experiments during your lab session on either Monday or Tuesday. Your Lab Report will be due the following week before your lab period. You must be present during your scheduled lab session in order to collect the data for your lab report and TA's will confirm your attendance that week before they grade your lab report. If you are unable to attend a lab session, you MAY be given the opportunity to complete the experiment virtually with provisional data. You will receive full credit for your first lab completed virtually. Any additional labs completed virtually will receive a 50% point penalty.
Notebook Check	Your lab notebook is where you will record the data and perform the calculations for each experiment. You will submit your notebook pages along with your lab report each week. At the end of the semester, there will be a final lab notebook check.
TA Seminar	The TA seminar will give you an opportunity to learn about some of the work and research happening here at SDSU. Your TA's will present their work and you will be writing an Essay on the presentations that you see. The TA seminar will occur during your scheduled lab period. The TA seminar is not one of the assignments available to drop. If you have any questions about the TA seminar, please ask your lab TA.
Lab Practical	The Lab Practical will be the final assignment for the lab portion of this course. It will consist of a hands-on portion which will test you on the practical lab skills that you learned during the semester. This part will be completed during your scheduled lab section on either

	4/22 or 4/23. The second part of the lab practical will be completed online (In OWL LECTURE!) and will test you on data analysis and important concepts that you learned in the lab. The online portion will be available at 8:00 am on Monday, 4/22 and be available 8:00 pm on 4/23 (36 hours total)	
XII. The Discussion Section		
DISCUSSION ATTENDANCE	Discussion attendance is mandatory, and you will not receive credit for sessions that you do not attend. It will be important to arrive at your discussion session on time. Failure to arrive within the first 10 minutes of your discussion session will result in the loss of 5 out of the 15 points available for that discussion. There will be 14 discussion meetings during the semester. You will be graded on your best 13 scores. This means that you can miss one discussion meeting for any reason without negative impact to your grade. If you need to miss more than one discussion meeting, email your TA and CC your lab coordinator at chem200@sdsu.edu .	
DISCUSSION SCHEDULE		
#	Week of	Lab Topic
-	01/15	No Discussion Meetings
1	01/22	Significant Figure, Units, Dimensional Analysis
2	01/29	Limiting Reagent, Percent Yield, Stoichiometry
3	02/05	Exam 1 Review
4	02/12	Exam 1 Analysis
5	02/19	Thermochemistry
6	02/26	Atomic Emission
7	03/04	Exam 2 Review
8	03/11	Exam 2 Analysis
9	03/18	VSEPR
10	03/25	Molecular Orbital Diagrams and Hybridization
-	04/01	No Discussion Meeting – Spring Break
11	04/08	Gas Laws
12	04/15	Exam 3 Review
13	04/22	Exam 3 Analysis
14	04/29	Final Review
DISCUSSION ASSIGNMENTS		
WARM – UP QUESTIONS	During the first 10 minutes, your discussion TA will present the discussion topics for that day, and you will answer 2-3 warm-up questions. The Warm-Up will be worth 5 points. These questions will not be scored for correctness, but you must be present for the warm-up in order to earn these points.	
ATTENDANCE POINTS	5 of the 15 points will be awarded for showing up to discussion (even if you are late). Your TA will confirm your attendance by verifying that you have answered the wrap-up questions.	
WRAP – UP QUESTIONS	The Wrap-Up questions WILL be graded for correctness. There will be 5 points available for the wrap-up.	

XIII. Grading Scheme				
Letter Grade	Percentage Range			
A	≥ 90.0%			
A-	85.0% – 90.0%			
B+	81.0% – 84.9%			
B	76.0% – 80.9%			
B-	72.0% – 75.9%			
C+	68.0% – 71.9%			
C	63.0% – 67.9%			
C-	58.0% – 62.9%			
D	53.0% – 57.9%			
F	< 53.0%			
Please check your grade frequently, especially after each exam. Email chem200@sdsu.edu if you think there is a calculation mistake. At the end of the semester, when grades are finalized, email only if there is a calculation mistake. Your grades will be rounded according to the rounding rules taught in this course.				
POINT DISTRUIBUTION				
Assignment	Points Per Assignment	Quantity	Total Points	Percentage
Lab Safety Quiz	10	1	10	0.6%
EH&S form	5	1	5	0.3%
Pre-Lab Quizzes	5	11	55	3.1%
Pre-Labs	5	10	50	2.8%
Lab Reports	15	11	165	9.2%
TA Seminar	30	1	30	1.7%
Lab Notebook Check	20	1	20	1.1%
Lab Practical	80	1	80	4.5%
Discussion	15	Best 13 of 14	195	10.9%
Chapter Problem Sets	10	11	110	6.2%
Chapter Assessments	15	11	165	9.2%
Exams	225	4	900	50.4%
TOTAL			1785	100%
XIV. Inclusion in this Course				
The CHEM 200 course instructors and TAs are committed to providing a safe and productive environment to all members of its community. Diversity, equity, and inclusion play a crucial role in making this possible. A diverse community allows for greater breadth of experiences and perspectives, both of which often lead to greater knowledge and understanding. An equitable environment aims to nullify systemic disadvantages and ensure fair treatment and equality of opportunity for all. Inclusion efforts create a feeling of belonging by actively inviting the				

contribution and participation of all people in our community. The American Chemical Society (ACS) recognizes the importance of diversity and inclusion, and their Chemist's Code of Conduct calls on chemical professionals to treat others with respect, not engage in discrimination, and be mindful of implicit bias and unconscious bias. Thus, we continually aim to foster an environment that respects and understands differences in race, ethnicity, national origin, religion, gender identity, sexual orientation, age, disability, economic status, and other circumstances. The course has been created with equity and diversity in mind and is working with publishing companies who uphold these beliefs.

XV. Finding Help on Campus

	<p>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.</p> <ul style="list-style-type: none"> • CAL Student Success Center: https://cal.sdsu.edu/student-resources/student-success • College of Education Student Success Center: https://education.sdsu.edu/oss • Center for Student Success in Engineering: https://csse.sdsu.edu/ • CoS Student Success Center: https://cossuccess.sdsu.edu/ • FSB Student Success Center: https://business.sdsu.edu/undergrad/advising • HHS Advisors: https://chhs.sdsu.edu/student-resources/advising/ • IVC Student Success and Retention: https://ivcampus.sdsu.edu/student_affairs/retention • PSFA Advisors: https://psfa.sdsu.edu/resources/student_advisors
SDSU ECONOMIC RESPONSE TEAM	<p>If you or a friend are experiencing food or housing insecurity, technology concerns, or any unforeseen financial crisis, it is easy to get help! Visit sdsu.edu/ecrt for more information or to submit a request for assistance. SDSU's Economic Crisis Response Team (ECRT) aims to bridge the gap in resources for students experiencing immediate food, housing, or unforeseen financial crises that impacts student success. Using a holistic approach to well-being, ECRT supports students through crisis by leveraging a campus-wide collaboration that utilizes on and off-campus partnerships and provides direct referrals based on each student's unique circumstances. ECRT empowers students to identify and access long term, sustainable solutions in an effort to successfully graduate from SDSU. Within 24 to 72 hours of submitting a referral, students are contacted by the ECRT Coordinator and are quickly connected to the appropriate resources and services. For students who need assistance accessing technology for their classes, visit our ECRT website (sdsu.edu/ecrt) to be connected with the SDSU library's technology checkout program. The technology checkout program is available to both SDSU and Imperial Valley students.</p>
SEXUAL VIOLENCE/TITLE IX MANDATED REPORTING	<p>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</p>

	<p>the greatest extent possible. However, I am required to share information regarding sexual violence on SDSU's campus with the Title IX coordinator, Jessica Rentto 619-594-6017. She (or her designee) will contact you to let you know about accommodations and support services at SDSU and possibilities for holding accountable the person who harmed you. Know that you will not be forced to share information you do not wish to disclose and your level of involvement will be your choice. If you do not want the Title IX Officer notified, instead of disclosing this information to your instructor, you can speak confidentially with the following people on campus and in the community. They can connect you with support services and discuss options for pursuing a University or criminal investigation. Sexual Violence Victim Advocate 619-594-0210 or Counseling and Psychological Services 619-594-5220, psycserv@sdsu.edu. For more information regarding your university rights and options as a survivor of sexual misconduct or sexual violence, please visit titleix.sdsu.edu or sdsutalks.sdsu.edu.</p>
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