



Chem 102: The Molecular World (4.0 Units)

Fall 2023

Study of basic chemistry and its impact on the modern world. Topics include: stoichiometry, nomenclature, gases, solutions, and others. Not available for major credit or for GE credit.

Professor: Prof. Andrey Vilesov (213) 821-2936 vilesov@usc.edu
Office Hours: SSC 723, Monday, Wednesday 2:00 – 3:00 pm

TA: Elizabeth Stippell stippell@usc.edu
Fatemeh Ghahremani afshargh@usc.edu
Office Hours: TBD

Supplemental Instruction Leader: Jacob Liskh liskh@usc.edu

Study sessions: TBD

Lectures: 10:00 am Monday, Wednesday, and Friday **SLH 100**

Discussion: Thurs 3:30-4:50 **WPH B27**

Textbooks: Required: *Introduction to Chemical Principles* (11th edition) by H. S. Stoker

Calculator: To have a level playing field, Chem 105 requires every student use the exact same calculator on exams, the **Texas Instruments TI 30x IIS**, which is around \$10-15. You will be required to use the same calculator in this course to become more comfortable with its use.

Grading:

Homework	15 @ 10 points	150 points
Worksheets	15 @ 10 points	150 points
Online Assignments	15 @ 10 points	150 points
One-hour Exams	3 @ 100 points	300 points
<u>Two-hour Final Exam</u>	<u>200 points</u>	<u>200 points</u>
Total:		950 points

Week 7 Grade: We do our best to inform you of your progress in the course by assigning an approximate letter grade at the end of the seventh week. Note: this advisory letter grade you receive at week 7 is no guarantee of your final grade. Final grades are assigned using guidelines from previous semesters, but there is no strict grading curve.

Schedule: The class schedule (lectures, exams, and other important dates) can be found online easily at the Blackboard.

Exams: There will be three 1-hour exams given during certain discussion periods. **There are no makeup exams. You cannot take exams at any other time.** The material covered on each exam will always be announced in lectures prior to that exam. Bring an **ID, TI 30x IIS** calculator and **pens** with you. All electronic devices such as cell phones and watches that connect to the internet are prohibited and cannot be used for any purpose during the exam, including keeping time. A countdown timer will be projected during exams. No one will be allowed to enter the exam room late or to leave early. Graded exams will be scanned and available for viewing/printing from the class website.

Final Exam: A comprehensive two-hour final exam will be administered 8-10am, Monday December 11. **This is the only time during which the final exam may be taken; there are no make-ups.** Absences on the final exam do not automatically qualify for a grade of incomplete. If you cannot take the final exam during this designated time, you should **not** take this course.

COVID: Students are expected to comply with all aspects of USC's COVID-19 policy. Failure to do so may result in removal from the class and referral to Office of Academic Integrity.

Absences: No makeup exams will be given. Absences will be excused based on official University policy (verifiable illness or necessity). **Contact Dr. Vilesov on the morning of (or day before) the absence** in case of illness. In the case missing midterm **exam** due to non-illness necessity, bring written verification to Dr. Vilesov *prior* to the absence. **You cannot miss more than one midterm exam.** All unexcused absences will result in a score of zero for that exam. The score for one excused midterm exam will be calculated based on the average score of the two other midterms and corresponding class averages.

Homework: There will be a weekly homework assignment posted online. There will be 15 in all, each is worth 10 points. Homework will be graded on correctness. One point will be subtracted from the score for each consecutive 12 hours delay of the submission beyond the deadline.

Worksheets: There will be worksheets that will be completed during the discussion sections and at home. They will be posted online. There will be 15 in all, each is worth 10 points. Worksheets will be graded on completion. One point will be subtracted from the score for each consecutive 12 hours delay of the submission beyond the deadline.

Online Quizzes: There will be short quizzes that will test the understanding of the material. There will be 15 in all, each will be worth 10 points. Quizzes will be graded automatically on correctness. No late online assignments will be accepted.

Low scores: One of each lowest scored Homework, Worksheet and Online quiz will be subtracted from the total score before determining the final grade.

Students with Disabilities: Any student requesting academic accommodations based on a disability is required to register each semester with the Office of Student Accessibility Services (OSAS), which provides verification for students with disabilities and helps determine reasonable and appropriate accommodations, <https://osas.usc.edu>. (see also p. 5) A letter of verification for approved accommodations can be generated from student's MyOSAS system each semester and for each course. Please be sure the letter is delivered to Dr. Vilesov as early in the semester as possible.

Your Rights and Responsibilities

As a member of this course, you, the student, have the right to fair and equitable grading. Every effort will be made to grade assignments consistently, quickly, and with some amount of helpful feedback. If an error in grading is made, you are allowed to ask for a regrade of the assignment, in which we will take a more careful look at your work to make sure it was graded according to the grading rubric. In courses with multiple sections, every effort will be made to communicate and coordinate across sections to avoid large difference in grading outcomes. You further have the right to ask for help in the course. Office hours are times set aside by course instructors and teaching assistants to meet with you, individually or in groups, to answer questions and help with issues throughout the semester. While attendance at office hours is optional, you are highly encouraged to

attend if you have questions or concerns. Private, one-on-one appointments are also available for more confidential discussions.

Your opportunity to learn the course material is our primary goal. We agree to help you achieve mastery of the material in exchange for your agreement to make a good-faith effort to learn it. This means that all work submitted in this course must be your own. You may not use outside sources for answers to assignments (for example, pre-lab questions, lab reports, quiz questions, homework assignments, etc.). While you may collaborate with others on laboratory work and homework assignments, work must be in your own words and reflect your good-faith efforts. It is never acceptable to use outside “tutors” or others to furnish answers for you (for example, you may not consult Chegg.com, reddit, CourseHero, etc. or hire others to complete assignments for you). If you have not done so already, please familiarize yourself with the discussion of plagiarism and other forms of academic dishonesty in SCampus in Part B, Section 11, “Behavior Violating University Standards” policy.usc.edu/scampus-part-b. See additional information in SCampus and university policies on scientific misconduct, policy.usc.edu/scientific-misconduct. The posting of course materials (including Zoom recordings, quiz questions or answers, workbook content, lab reports or quizzes, or any other course-related content) to ANY internet site is strictly prohibited. Seeking outside help during weekly quizzes is a violation of the USC Honor Code. Posting of course material is a violation of US copyright law and the USC Student Conduct Code.

Important Dates to Remember

August 21 (M)	First Day of Classes
September 4 (M)	Labor Day (No Classes)
September 8 (F)	Last day to drop <u>without</u> a "W" and <u>to avoid tuition charges the last day to choose Pass/No Pass.</u>
September 21 (Th)	First Hour Exam
October 6 (F)	Last day to drop <u>without</u> a "W" <u>but still incurring tuition charges for this class and the last day to change from P/NP to letter grade</u>
October 12-13	Fall Recess (No Classes)
October 19 (Th)	Second Hour Exam
November 9 (Th)	Third Hour Exam
November 10 (F)	Veterans day (No Classes)
November 10 (F)	Last Day to drop <u>with</u> a "W"
November 22-26 (W-S)	Thanksgiving (No Classes)
December 1 (F)	Last Day of Classes
December 11 (M)	Final Exam 8-10am

This is the only time during which the final exam may be taken. No make-ups. If you cannot take the final during this designated time, you should not take this course.

August, September 2023:

Monday	Tuesday	Wednesday	Thursday	Friday
21 Syllabus, Intro	22	23 Chapter 2	24 Algebra, Word problems	25 Chapter 2
28 Chapter 3	29	30 Chapter 3	31 Problem Solving Ch.2	1 Chapter 4

September 2023:

Monday	Tuesday	Wednesday	Thursday	Friday
4 Labor Day	5	6 Algebra, Manipulating Equations	7 Problem Solving Ch. 3-4	8 Word Problem Solving
11 Chapter 5	12	13 Chapter 5	14 Problem Solving Ch. 5	15 Chapter 6
18 Chapter 6	19	20 Chapter 7	21 Exam 1: Chapters 2-5	22 Chapter 7
25 Chapter 7	26	27 Chapter 8	28 Problem Solving Ch. 6,7	29 Chapter 8

October, November 2023:

Monday	Tuesday	Wednesday	Thursday	Friday
2 Chapter 9	3	4 Chapter 9	5 Problem Solving Ch. 8,9	6 Chapter 10
9 Chapter 10	10	11 Chapter 11	12 Fall Recess	13 Fall Recess
16 Chapter 11	17	18 Chapter 11	19 Exam 2: Chapters 5-9	20 Chapter 12

23 Chapter 12	24	25 Chapter 12	26 Problem Solving Ch. 10-11	27 Chapter 13
30 Chapter 13	31	1 Chapter 13,14	2 Problem Solving Ch. 12-13	3 Chapter 14

November, December 2023:

Monday	Tuesday	Wednesday	Thursday	Friday
6 Chapter 14	7	8 Chapter 15	9 Exam 3: Chapters 10-13	10 Veterans Day
13 Chapter 15	14	15 Chapter 15	16 Problem Solving Ch 14, 15	17 Review
20 Review	21	22 Thanksgiving	23 Thanksgiving	24 Thanksgiving
27 Review	28	29 Prep to final	30 Prep to final	1 Prep to final

December 2023:

Monday	Tuesday	Wednesday	Thursday	Friday
4	5	6 Final Exam week starts	7	8
11 Final Exam: 8-10am				

STATEMENT ON ACADEMIC CONDUCT AND SUPPORT SYSTEMS

Academic Integrity:

The University of Southern California is a learning community committed to developing successful scholars and researchers dedicated to the pursuit of knowledge and the dissemination of ideas. Academic misconduct, which includes any act of dishonesty in the production or submission of academic work, comprises the integrity of the person who commits the act and can impugn the perceived integrity of the entire university community. It stands in opposition to the university's mission to research, educate, and contribute productively to our community and the world.

All students are expected to submit assignments that represent their own original work, and that have been prepared specifically for the course or section for which they have been submitted. You may not submit work written by others or “recycle” work prepared for other courses without obtaining written permission from the instructor(s).

Other violations of academic integrity include, but are not limited to, cheating, plagiarism, fabrication (e.g., falsifying data), collusion, knowingly assisting others in acts of academic dishonesty, and any act that gains or is intended to gain an unfair academic advantage.

The impact of academic dishonesty is far-reaching and is considered a serious offense against the university. All incidences of academic misconduct will be reported to the Office of Academic Integrity and could result in outcomes such as failure on the assignment, failure in the course, suspension, or even expulsion from the university.

AI Policy:

Since creating, analytical, and critical thinking skills are part of the learning outcomes of this course, all assignments should be prepared by the student working individually or in groups. Students may not have another person or entity complete any substantive portion of the assignment. Developing strong competencies in these areas will prepare you for a competitive workplace. Therefore, using AI-generated tools is prohibited in this course, will be identified as plagiarism, and will be reported to the Office of Academic Integrity.

For more information about academic integrity see [the student handbook](#) or the [Office of Academic Integrity’s website](#), and university policies on [Research and Scholarship Misconduct](#).

Please ask your instructor if you are unsure what constitutes unauthorized assistance on an exam or assignment, or what information requires citation and/or attribution.

Students and Disability Accommodations:

USC welcomes students with disabilities into all of the University’s educational programs. The Office of Student Accessibility Services (OSAS) is responsible for the determination of appropriate accommodations for students who encounter disability-related barriers. Once a student has completed the OSAS process (registration, initial appointment, and submitted documentation) and accommodations are determined to be reasonable and appropriate, a Letter of Accommodation (LOA) will be available to generate for each course. The LOA must be given to each course instructor by the student and followed up with a discussion. This should be done as early in the semester as possible as accommodations are not retroactive. More information can be found at osas.usc.edu. You may contact OSAS at (213) 740-0776 or via email at osasfrontdesk@usc.edu.

Support Systems:

[Counseling and Mental Health](#) - (213) 740-9355 – 24/7 on call

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

[988 Suicide and Crisis Lifeline](#) - 988 for both calls and text messages – 24/7 on call

The 988 Suicide and Crisis Lifeline (formerly known as the National Suicide Prevention Lifeline) provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week, across the United States. The Lifeline is comprised of a national network of over 200 local crisis centers, combining custom local care and resources with national standards and best practices. The new, shorter phone number makes it easier for people to remember and access mental health crisis services (though the previous 1 (800) 273-8255 number will continue to function indefinitely) and represents a continued commitment to those in crisis.

[Relationship and Sexual Violence Prevention Services \(RSVP\)](#) - (213) 740-9355(WELL) – 24/7 on call

Free and confidential therapy services, workshops, and training for situations related to gender- and power-based harm (including sexual assault, intimate partner violence, and stalking).

[Office for Equity, Equal Opportunity, and Title IX \(EEO-TIX\)](#) - (213) 740-5086

Information about how to get help or help someone affected by harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants.

[Reporting Incidents of Bias or Harassment](#) - (213) 740-5086 or (213) 821-8298

Avenue to report incidents of bias, hate crimes, and microaggressions to the Office for Equity, Equal Opportunity, and Title for appropriate investigation, supportive measures, and response.

[The Office of Student Accessibility Services \(OSAS\)](#) - (213) 740-0776

OSAS ensures equal access for students with disabilities through providing academic accommodations and auxiliary aids in accordance with federal laws and university policy.

[USC Campus Support and Intervention](#) - (213) 740-0411

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

[Diversity, Equity and Inclusion](#) - (213) 740-2101

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

[USC Emergency](#) - UPC: (213) 740-4321, HSC: (323) 442-1000 – 24/7 on call

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

[USC Department of Public Safety](#) - UPC: (213) 740-6000, HSC: (323) 442-1200 – 24/7 on call

Non-emergency assistance or information.

[Office of the Ombuds](#) - (213) 821-9556 (UPC) / (323-442-0382 (HSC)

A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.

[Occupational Therapy Faculty Practice](#) - (323) 442-2850 or otfp@med.usc.edu

Confidential Lifestyle Redesign services for USC students to support health promoting habits and routines that enhance quality of life and academic performance.