Chemistry 102 Fall 2021 12 pm Lecture

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

TAs: Madhubani Mukherjee mmukherj@usc.edu

Office Hours: Thursday 9:00-10:00 am, SGM223

Lectures: 12:00 pm Monday, Wednesday and Friday GFS 101

Discussion: 3:30 - 4:50 pm **Thursday** GFS 101

Textbooks: Required: *Introduction to Chemical Principles* (11th edition) by H. S. Stoker
Recommended: *Calculations in Chemistry* by Dahm, can be found with the Chem 105a material in the bookstore.

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
Final two hour Exam	200 points	200 points
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 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 **11 a.m. - 1 p.m. on Fri, Dec. 10.** 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 Student Judicial Affairs and Community Standards.

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. Homeworks 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.

In-Class 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.

Academic Conduct: USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. Plagiarism – presenting someone else's ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, "Behavior Violating University Standards" https://policy.usc.edu/scampus-part-b/. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, http://policy.usc.edu/scientific-misconduct.

Should there be any suspicion of academic dishonesty, students will be referred to the Office of Student Judicial Affairs and Community Standards (SJACS) for further review.

Important Dates to Remember

August 23 (M)	First Day of Classes
September 6 (M)	Labor Day (No Classes)
September 10 (F)	Last day to drop without a "W" to avoid tuition charges, also the last day to choose Pass/No Pass.
September 16 (Th)	**First Hour Exam**
October 8 (F)	Last day to drop without a "W" but still incurring tuition charges for this class
October 7 (Th)	**Second Hour Exam**
October 14-15 (Th,F)	**Fall Recess (No Classes)**
November 11 (Th)	**Third Hour Exam**
November 12 (F)	Last Day to drop with a "W"
November 24-28	**Thanksgiving (No Classes)**
December 3 (F)	Last Day of Classes
December 10 (F)	**Final Exam 11am -1 pm**

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 2021:

Monday	Tuesday	Wednesday	Thursday	Friday
23 Syllabus, Intro	24	25 Algebra, Manipulating Equations	26 Algebra, Word problems	27 Chapter 2
30 Chapter 2/3	31	1 Chapter 3	2 Problem Solving Ch.2	3 Chapter 4

September 2021:

Monday	Tuesday	Wednesday	Thursday	Friday
6 Labor day no classes	7	8 Chapter 4	9 Problem Solving Ch. 3,4	10 Chapter 5
13 Chapter 5	14	15 Chapter 6	16 Exam 1: Chapters 2-4	17 Chapter 6
20 Chapter 7	21	22 Chapter 7	23 Problem Solving Ch. 5,6	24 Chapter 7
27 Chapter 8	28	29 Chapter 8	30 Problem Solving Ch. 7,8	1 Chapter 9

October 2021:

Monday	Tuesday	Wednesday	Thursday	Friday
4 Chapter 9	5	6 Chapter 9	7 Exam 2: Chapters 5-8	8 Chapter 10
11 Chapter 10	12	13 Chapter 10,11	14 Fall Recess no classes	15 Fall Recess no classes
18 Chapter 11	19	20 Chapter 11	21 Problem Solving Ch.9,10	22 Chapter 12
25 Chapter 12	26	27 Chapter 12	28 Problem Solving Ch. 11,12	29 Chapter 13

November, December 2021:

Monday	Tuesday	Wednesday	Thursday	Friday
1 Chapter 13	2	3 Chapter 13,14	4 Problem Solving Ch. 13	5 Chapter 14
8 Chapter 14	9	10 Chapter 15	11 Exam 3: Chapters 9-13	12 Chapter 15
15 Chapter 15	16	17 Chapter 16	18 Problem Solving Ch 14, 15	19 Chapter 16
22 Chapter 16	23	24 Thanksgiving	25 Thanksgiving	26 Thanksgiving
29 Review	30	1 Prep to final	2 Prep to final	3 Prep to final

December 2021:

Monday	Tuesday	Wednesday	Thursday	Friday
6	7	8 Final Exam week starts	9	10 Final Exam: 11 am - 1 pm

Statement on Academic Conduct and Support Systems

Academic Conduct:

Plagiarism – presenting someone else's ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in SCampus in Part B, Section 11, "Behavior Violating University Standards" policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on scientific misconduct, policy.usc.edu/scientific-misconduct.

Support Systems:

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

studenthealth.usc.edu/counseling

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

National Suicide Prevention Lifeline - 1 (800) 273-8255 – 24/7 on call

suicidepreventionlifeline.org

Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Relationship and Sexual Violence Prevention and Services (RSVP) - (213) 740-9355(WELL),

press "0" after hours – 24/7 on call

studenthealth.usc.edu/sexual-assault

Free and confidential therapy services, workshops, and training for situations related to gender-based harm.

Office of Equity and Diversity (OED)- (213) 740-5086 | Title IX – (213) 821-8298

equity.usc.edu, titleix.usc.edu

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. The university prohibits discrimination or harassment based on the following *protected characteristics*: race, color, national origin, ancestry, religion, sex, gender, gender identity, gender expression, sexual orientation, age, physical disability, medical condition, mental disability, marital status, pregnancy, veteran status, genetic information, and any other characteristic which may be specified in applicable laws and governmental regulations. The university also prohibits sexual assault, non-consensual sexual contact, sexual misconduct, intimate partner violence, stalking, malicious dissuasion, retaliation, and violation of interim measures.

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

usc-advocate.symplicity.com/care_report

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

Students & Disability Accommodations: The Office of Student Accessibility Services (OSAS) - (213) 740-0776

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 [www.osas.usc.edu]www.osas.usc.edu. You may contact OSAS at (213) 740-0776 or via email at osasfrontdesk@usc.edu

Support and accommodations for students with disabilities. Services include assistance in providing readers/notetakers/interpreters, special accommodations for test taking needs, assistance with architectural barriers, assistive technology, and support for individual needs.

USC Campus Support and Intervention - (213) 821-4710

campussupport.usc.edu

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

Diversity at USC - (213) 740-2101

diversity.usc.edu

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

dps.usc.edu, emergency.usc.edu

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) 442-120 – 24/7 on call

dps.usc.edu

Non-emergency assistance or information.