

Course Syllabus

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Syllabus for Chem 3A: Intro Gen Chemistry

Reedley College

Sections: 52044 & 52045

Term: Fall 2023

[Jump to Welcome Video \(https://scccd.instructure.com/courses/99384/pages/welcome-to-chem-3a\)](https://scccd.instructure.com/courses/99384/pages/welcome-to-chem-3a)

[Jump to Course Home Page \(https://scccd.instructure.com/courses/99384/pages/chem-3a\)](https://scccd.instructure.com/courses/99384/pages/chem-3a)

Course Information

Class times:

- Lectures Online
- Your lab time depends on your section,
 - 52044 Th 6:30P-9:20P MSCI 201
 - 52045 T 6:30P-9:20P MSCI 201
- Office Hours
 - T/Th 5:30P-6:30P MSCI 201 (same as the lab)
 - F 9A-12P MSCI 202 or 201
 - Additional help hours available after each lab section.

Required Books and Materials:

- Tro, *Introductory Chemistry Essentials*, 3rd-6th Any edition from 3-6 will work for the class. Homework problems are posted for each edition.
- The lab manual will be provided as a free download from Canvas. Experiments and worksheets must be printed out and brought to class. This course was originally developed as an online lab class, so you can watch videos of each experiment before performing them.
- Scientific calculator (I recommend the TI-36X Pro; cell phone calculators are **not** acceptable)

Faculty Information

Instructor: Kirk Kawagoe

Office and phone: Zoom meetings or as arranged in person.

Cell phone: (559) 393-2121 (**text only**, this is the best method of contacting me). I will usually

get back to within the hour (or faster).

email: Use the canvas e-mail system. I will get back to you within 24-hours. Do not use my RC email.

Statement on Academic Dishonesty

- [Academic Dishonesty \(https://scccd.instructure.com/courses/99384/pages/academic-dishonesty\)](https://scccd.instructure.com/courses/99384/pages/academic-dishonesty)

Accommodations

It is our policy not to discriminate against any student. If you suspect that you have any type of physical disability or learning disability that is relevant to your performance in the course, please stop by the disabled student services office and discuss it with them as they may be able to provide services and support that could help you succeed.

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

Attendance

- I will take attendance daily by roll call or using a sign-in sheet.
- Students who have not contacted me by 8/11 or turned in any assignments by 8/18 will be dropped.

Important dates

- Thanksgiving break 11/23-11/24/23
- Final Exams by Section
 - 52045 Tuesday 12/5/23 6:30 PM
 - 52044 Thursday 12/7/23 6:30 PM

Exams

There will be four multiple-choice **in-person** exams and an in-person comprehensive final exam (See schedule).

- **Your lowest exam score** will be replaced by the final exam score.
- **Exams are all closed book**, but certain constants, conversion factors and equations will be provided on exams. More information and practice exams can be found in the exam study folders.
- **Scantron 882E Form** for each exam (five total)
- Exam days will consist of a short experiment and an exam, so come prepared for lab.

Extra Credit

Extra credit assignments will not be given.

Grading

A summary of your grades, including a projected course grade, is available on Canvas. To receive a passing grade, you must have at **least a 70% lab average and a 65% exam average** regardless of your success in the rest of the course.

The grading scale will be based on a straight percentage:

- A = 90% - 100%
- B = 80% - 89%
- C = 70% - 79%
- D = 60% - 69%
- F = 0% - 59%

The final grade will be calculated using weighted categories:

- 10% Homework
- 25% Lab reports/worksheets. You must successfully complete Experiment 11B to pass the class. In addition, you must receive at a 70% average in lab to pass the course.
- 50% Exams. Your exam average must be at least 60% to pass the class with a grade of C or better.
- 15% Final Exam

Homework

Homework is due following the completion of each chapter (see Schedule on Canvas).

Lab

Lab work will follow as closely as possible the material discussed in the lectures. There is no published lab manual for this course. All the lab assignments and experiments are available on Canvas.

For each experiment:

- Download the experiment file.
 - Optional, if a lab video exists, you can watch it to get an idea of what is going on.
- **If there is a prelab assignment, complete it before coming to class.**
- Come to class and perform the experiment.
 - Fill out the data sheets
- Complete the calculations in the prelab, experiment, and postlab assignments
- Turn them in at the end of class.

Late Work

I will accept late work but your grade will be zero until it is turned in and graded.

Success in Chemistry










- **Try and read the chapter before you watch the lecture.** Work through the examples in the text.
- For video lectures, treat them like in-person lectures. Take notes and give yourself a break after watch 1 hour of lecture.
- Make sure you understand why you do certain steps in every calculation.
- Always show your work, including all units and considering significant figures.
- Consider forming a study group.

Course Summary:

Date	Details	Due
	 Hwk 1 & 2 (Chapters 1 & 2) https://scccd.instructure.com/courses/99384/assignments/2803277	due by 11:59pm
Sun Aug 13, 2023	 Worksheet 2b https://scccd.instructure.com/courses/99384/assignments/2803278 (CHEM-3A-52044-2023FA)	due by 11:59pm
	 Worksheet 2b https://scccd.instructure.com/courses/99384/assignments/2803279 (CHEM-3A-52045-2023FA)	due by 11:59pm
Fri Aug 18, 2023	 Exp 3 - Densities of Liquids and Solids https://scccd.instructure.com/courses/99384/assignments/2803276	due by 11:59pm
Sun Aug 20, 2023	 Hwk 3 (Ch 3) https://scccd.instructure.com/courses/99384/assignments/2803285	due by 11:59pm
Tue Aug 22, 2023	 Exp 1 - Properties and Changes of Matter https://scccd.instructure.com/courses/99384/assignments/2803275 (CHEM-3A-52045-2023FA)	due by 11:59pm
Thu Aug 24, 2023	 Exp 1 - Properties and Changes of Matter https://scccd.instructure.com/courses/99384/assignments/2803275 (CHEM-3A-52044-2023FA)	due by 11:59pm

Date	Details	Due
Sat Aug 26, 2023	 Introductions (https://scccd.instructure.com/courses/99384/assignments/2803268)	due by 11:59pm
Sun Aug 27, 2023	 Hwk 4 (Ch 4) (https://scccd.instructure.com/courses/99384/assignments/2803286)	due by 11:59pm
Tue Aug 29, 2023	 Exam 1 (Ch 1-4) (https://scccd.instructure.com/courses/99384/assignments/2803286) (CHEM-3A-52045-2023FA)	due by 11:59pm
Thu Aug 31, 2023	 Exam 1 (Ch 1-4) (https://scccd.instructure.com/courses/99384/assignments/2803286) (CHEM-3A-52044-2023FA)	due by 11:59pm
Sun Sep 3, 2023	 Hwk 5 (https://scccd.instructure.com/courses/99384/assignments/2803287)	due by 11:59pm
Mon Sep 4, 2023	 That one thing. (https://scccd.instructure.com/courses/99384/assignments/2803269)	due by 11:59pm
Fri Sep 8, 2023	 Lab 4 - Mole (https://scccd.instructure.com/courses/99384/assignments/2803296)	due by 11:59pm
	 Nomenclature Worksheets (https://scccd.instructure.com/courses/99384/assignments/2803301)	due by 11:59pm
Sun Sep 10, 2023	 Hwk 6 (https://scccd.instructure.com/courses/99384/assignments/2803288)	due by 11:59pm
Sun Sep 17, 2023	 Hwk 7 (https://scccd.instructure.com/courses/99384/assignments/2803289)	due by 11:59pm
Wed Sep 20, 2023	 Lab 14 Online (Molar Mass) (https://scccd.instructure.com/courses/99384/assignments/2803294)	due by 11:59pm
	 Lab 5 - Empirical Formula (https://scccd.instructure.com/courses/99384/assignments/2803297)	due by 11:59pm
Thu Sep 21, 2023	 Lab 13 - Formula of a Hydrate (https://scccd.instructure.com/courses/99384/assignments/2803293)	due by 11:59pm

Date	Details	Due
Tue Sep 26, 2023	 Exam 2 https://scccd.instructure.com/courses/99384/assignments/2803290 (CHEM-3A-52045-2023FA)	due by 11:59pm
Thu Sep 28, 2023	 Exam 2 https://scccd.instructure.com/courses/99384/assignments/2803290 (CHEM-3A-52044-2023FA)	due by 11:59pm
Mon Oct 9, 2023	 Hwk 8 https://scccd.instructure.com/courses/99384/assignments/2803290	due by 11:59pm
	 Lab 7. Reaction Types https://scccd.instructure.com/courses/99384/assignments/2803298	due by 11:59pm
Tue Oct 17, 2023	 Hwk 9 https://scccd.instructure.com/courses/99384/assignments/2803291	due by 11:59pm
	 Lab 11b Online https://scccd.instructure.com/courses/99384/assignments/2803292	due by 11:59pm
Tue Oct 24, 2023	 Exam 3 https://scccd.instructure.com/courses/99384/assignments/2803296 (CHEM-3A-52045-2023FA)	due by 11:59pm
	 Hwk 10 https://scccd.instructure.com/courses/99384/assignments/2803278	due by 11:59pm
Wed Oct 25, 2023	 Hwk 11 (Ch 15) https://scccd.instructure.com/courses/99384/assignments/2803279	due by 11:59pm
	 Lab 2 Online https://scccd.instructure.com/courses/99384/assignments/2803295	due by 11:59pm
	 pH worksheet https://scccd.instructure.com/courses/99384/assignments/2803304	due by 11:59pm
Thu Oct 26, 2023	 Lewis Dot wks https://scccd.instructure.com/courses/99384/assignments/2803300	due by 11:59pm
	 Exam 3 https://scccd.instructure.com/courses/99384/assignments/2803296 (CHEM-3A-52044-2023FA)	due by 11:59pm

Date	Details	Due
Mon Nov 13, 2023	 Hwk 12 (Ch 11) https://scccd.instructure.com/courses/99384/assignments/2803280	due by 11:59pm
	 Hwk 15 (Ch 14) https://scccd.instructure.com/courses/99384/assignments/2803283	due by 11:59pm
	 Lab 9 Online https://scccd.instructure.com/courses/99384/assignments/2803299	due by 11:59pm
Tue Nov 21, 2023	 Hwk 13 (Ch 12) https://scccd.instructure.com/courses/99384/assignments/2803281	due by 11:59pm
	 Hwk 16 (Ch 17) https://scccd.instructure.com/courses/99384/assignments/2803284	due by 11:59pm
Wed Nov 22, 2023	 Hwk 14 (Ch 13) https://scccd.instructure.com/courses/99384/assignments/2803282	due by 11:59pm
Tue Nov 28, 2023	 Exam 4 https://scccd.instructure.com/courses/99384/assignments/2803282 (CHEM-3A-52045-2023FA)	due by 11:59pm
Thu Nov 30, 2023	 Exam 4 https://scccd.instructure.com/courses/99384/assignments/2803282 (CHEM-3A-52044-2023FA)	due by 11:59pm
	 Roll Call Attendance https://scccd.instructure.com/courses/99384/assignments/2803302	

Academic Dishonesty

Academic Dishonesty

Academic dishonesty (cheating, plagiarism) is unacceptable and will not be tolerated.

Because cheating, plagiarism and collusion in dishonest activities erode the integrity of Reedley College, each student is expected to exert an entirely honest effort in all academic endeavors.

Academic dishonesty in any form is a very serious offense and will incur serious consequences.

Working together on homework and labs is encouraged, but **your individual work must be evident.**


Do not allow others to copy directly from your work.

Cheating is the act or attempted act of taking an examination or performing an assigned, evaluated task in a fraudulent or deceptive manner, such as having improper access to answers, in an attempt to gain an unearned academic advantage. Cheating may include, but is not limited to: copying from another's work, supplying one's work to another, giving or receiving copies of examinations without an instructor's permission, using or displaying notes or devices inappropriate to the conditions of an examination, allowing someone other than the officially enrolled student to represent the student, failing to disclose research results completely, or encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

Plagiarism is a specific form of cheating: the use of another's words or ideas without identifying them as such or giving credit to the source. Plagiarism may include, but is not limited to: failing to provide complete citations and references for all work that draws on the ideas, words, or work of others, failing to identify the contributors to work done in collaboration, submitting duplicate work to be evaluated in different courses without the knowledge and consent of the instructors involved, or encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

Possible Penalties: Incidents of cheating and plagiarism shall constitute good cause for discipline, including but not limited to the removal, suspension, or expulsion of the student (California Education Code Section 66300, Accreditation Standard II.A.7.b, AR5500, SCCC BP5500). Instructors may also impose a variety of sanctions and penalties, which may range from a constructive dialogue with the student, a point deduction, a failing grade of "F" or a zero (0) on the particular examination, paper, project, or assignment in question, to a failing grade in the course at the discretion of the instructor depending upon the severity and frequency of the incidents.

The colleges policies on academic dishonesty can be found at:

- <https://www.reedleycollege.edu/about/about-us/policies-and-procedures/student%20conduct%20standards.html> 
(<https://www.reedleycollege.edu/about/about-us/policies-and-procedures/student%20conduct%20standards.html>)

- https://www.reedleycollege.edu/admissions-aid/catalogs/catalog2022_2023_web.pdf 
(https://www.reedleycollege.edu/admissions-aid/catalogs/catalog2022_2023_web.pdf)
 - Pages 47-48