

# Course Syllabus

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## Syllabus for Chem 3A: Intro Gen Chemistry Reedley College

Sections: 50042, 50043, 50044, 50065

Term: Spring 2024

[Jump to Welcome Video \(https://scccd.instructure.com/courses/104743/pages/welcome-to-chem-3a\)](https://scccd.instructure.com/courses/104743/pages/welcome-to-chem-3a)

[Jump to Course Home Page \(https://scccd.instructure.com/courses/104743/pages/chem-3a\)](https://scccd.instructure.com/courses/104743/pages/chem-3a)

## Course Information

Class times:

- Lectures
  - 50042 Online
  - 50043 T/Th 5:00-6:15 PM MSCI 204
  - 50044/65 MW 12:00 – 1:15PM MSCI 111
  -
- Your lab time depends on your section,
  - 50042 M 9:00 AM-11:50AM MSCI 201
  - 50043 T 6:30PM-9:20PM MSCI 201
  - 50044 M 1:30 PM-4:20PM MSCI 201
  - 50065 W 1:30 PM-4:20PM MSCI 201
- Office Hours (My office is MSCI 222)
  - T/Th 4:00-5:00P MSCI 222 or 204
  - F 9A-12P MSCI 222 or 202
  - Additional help hours available after each lab section.

## Required Books and Materials:

- Tro, *Introductory Chemistry Essentials*, 3<sup>rd</sup>-6<sup>th</sup> 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)
- Full Length Lab Coat (mid-thigh length or longer)
- Goggles w/ side splash protection are provided, but you may also purchase your own.

## 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 \(https://scccd.instructure.com/courses/104743/pages/academic-dishonesty\)](https://scccd.instructure.com/courses/104743/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

- 1/15/24 MLK Day. No classes.
- 2/16 & 2/19/24 Presidents Day Holiday. No class on 2/19. No office hours on 2/16.
- 3/25-3/29/24 Spring Break. No classes.
- 5/13 - Finals Week starts
  - Final exams are according to the schedule posted in the Schedule of Classes.

# 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:

- 25% Homework, Labs, and Worksheets
- 75% Chapter exams and Final exams. Your exam average must be at least 60% to pass the class with a grade of C or better.

# 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
Sun Jan 7, 2024	 <a href="https://scccd.instructure.com/calendar?event_id=333979&amp;include_contexts=course_104743">Week 1</a> ( <a href="https://scccd.instructure.com/calendar?event_id=333979&amp;include_contexts=course_104743">https://scccd.instructure.com/calendar?event_id=333979&amp;include_contexts=course_104743</a> )	12am
Sat Jan 13, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092426">Worksheet 2b</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092426">https://scccd.instructure.com/courses/104743/assignments/3092426</a> )	due by 11:59pm
Sun Jan 14, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092395">Hwk 1 &amp; 2 (Chapters 1 &amp; 2)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092395">https://scccd.instructure.com/courses/104743/assignments/3092395</a> )	due by 11:59pm
Sat Jan 20, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092392">Exp 1 - Properties and Changes of Matter</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092392">https://scccd.instructure.com/courses/104743/assignments/3092392</a> )	due by 11:59pm
Sun Jan 21, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092403">Hwk 3 (Ch 3)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092403">https://scccd.instructure.com/courses/104743/assignments/3092403</a> )	due by 11:59pm

Date	Details	Due
Sat Jan 27, 2024	 <a href="https://scccd.instructure.com/calendar?event_id=350073&amp;include_contexts=course_104743">CHEM-3A-Kawagoe</a> <a href="https://scccd.instructure.com/calendar?event_id=350073&amp;include_contexts=course_104743">https://scccd.instructure.com/calendar?event_id=350073&amp;include_contexts=course_104743</a>	12pm to 2pm
Sat Jan 27, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092393">Exp 3 - Densities of Liquids and Solids</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092393">https://scccd.instructure.com/courses/104743/assignments/3092393</a>	due by 11:59pm
Sat Jan 27, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092414">Lab 2: Calorimetry Experiment</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092414">https://scccd.instructure.com/courses/104743/assignments/3092414</a>	due by 11:59pm
Sun Jan 28, 2024	 <a href="https://scccd.instructure.com/calendar?event_id=350273&amp;include_contexts=course_104743">CHEM-3A-Kawagoe</a> <a href="https://scccd.instructure.com/calendar?event_id=350273&amp;include_contexts=course_104743">https://scccd.instructure.com/calendar?event_id=350273&amp;include_contexts=course_104743</a>	10pm to 10:30pm
Sun Jan 28, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092404">Hwk 4 (Ch 4)</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092404">https://scccd.instructure.com/courses/104743/assignments/3092404</a>	due by 11:59pm
Mon Jan 29, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">Exam 1 (Ch 1-4)</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">https://scccd.instructure.com/courses/104743/assignments/3092386</a> (CHEM-3A-50042-2024SP)	due by 9am
Mon Jan 29, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">Exam 1 (Ch 1-4)</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">https://scccd.instructure.com/courses/104743/assignments/3092386</a> (CHEM-3A-50044-2024SP)	due by 1:30pm
Tue Jan 30, 2024	 <a href="https://scccd.instructure.com/calendar?event_id=350442&amp;include_contexts=course_104743">CHEM-3A-Kawagoe</a> <a href="https://scccd.instructure.com/calendar?event_id=350442&amp;include_contexts=course_104743">https://scccd.instructure.com/calendar?event_id=350442&amp;include_contexts=course_104743</a>	5pm to 6:15pm
Tue Jan 30, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">Exam 1 (Ch 1-4)</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">https://scccd.instructure.com/courses/104743/assignments/3092386</a> (CHEM-3A-50043-2024SP)	due by 6:30pm
Wed Jan 31, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">Exam 1 (Ch 1-4)</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">https://scccd.instructure.com/courses/104743/assignments/3092386</a> (CHEM-3A-50065-2024SP)	due by 1:30pm
Sat Feb 3, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092424">Nomenclature Worksheets</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092424">https://scccd.instructure.com/courses/104743/assignments/3092424</a>	due by 11:59pm
Sun Feb 4, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092405">Hwk 5</a> <a href="https://scccd.instructure.com/courses/104743/assignments/3092405">https://scccd.instructure.com/courses/104743/assignments/3092405</a>	due by 11:59pm

Date	Details	Due
	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">That one thing.</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092386">https://scccd.instructure.com/courses/104743/assignments/3092386</a> )	due by 11:59pm
Mon Feb 5, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092419">Lab Quiz 1</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092419">https://scccd.instructure.com/courses/104743/assignments/3092419</a> )	due by 11:59pm
Sat Feb 10, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092415">Lab 4 - Mole</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092415">https://scccd.instructure.com/courses/104743/assignments/3092415</a> )	due by 11:59pm
Sun Feb 11, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092406">Hwk 6</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092406">https://scccd.instructure.com/courses/104743/assignments/3092406</a> )	due by 11:59pm
Sat Feb 17, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092416">Lab 5 - Empirical Formula</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092416">https://scccd.instructure.com/courses/104743/assignments/3092416</a> )	due by 11:59pm
Sun Feb 18, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092407">Hwk 7</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092407">https://scccd.instructure.com/courses/104743/assignments/3092407</a> )	due by 11:59pm
Sat Feb 24, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092417">Lab 7. Reaction Types</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092417">https://scccd.instructure.com/courses/104743/assignments/3092417</a> )	due by 11:59pm
Sun Feb 25, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092408">Hwk 8</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092408">https://scccd.instructure.com/courses/104743/assignments/3092408</a> )	due by 11:59pm
Mon Feb 26, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092389">Exam 2</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092389">https://scccd.instructure.com/courses/104743/assignments/3092389</a> )	due by 11:59pm
Mon Mar 4, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092420">Lab Quiz 2</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092420">https://scccd.instructure.com/courses/104743/assignments/3092420</a> )	due by 11:59pm
Sat Mar 9, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092410">Lab 10. Synthesis of Alum</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092410">https://scccd.instructure.com/courses/104743/assignments/3092410</a> )	due by 11:59pm
Sun Mar 10, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092409">Hwk 9</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092409">https://scccd.instructure.com/courses/104743/assignments/3092409</a> )	due by 11:59pm
Sat Mar 16, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092412">Lab 13 - Formula of a Hydrate</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092412">https://scccd.instructure.com/courses/104743/assignments/3092412</a> )	due by 11:59pm
Sun Mar 17, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092396">Hwk 10</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092396">https://scccd.instructure.com/courses/104743/assignments/3092396</a> )	due by 11:59pm

Date	Details	Due
Sat Mar 23, 2024	 <a href="#">Lewis Dot wks</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092423">https://scccd.instructure.com/courses/104743/assignments/3092423</a> )	due by 11:59pm
Sun Mar 24, 2024	 <a href="#">Hwk 11 (Ch 15)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092397">https://scccd.instructure.com/courses/104743/assignments/3092397</a> )	due by 11:59pm
Mon Mar 25, 2024	 <a href="#">Spring Break</a> ( <a href="https://scccd.instructure.com/calendar?event_id=333980&amp;include_contexts=course_104743">https://scccd.instructure.com/calendar?event_id=333980&amp;include_contexts=course_104743</a> )	12am
Sun Mar 31, 2024	 <a href="#">Hwk 12 (Ch 11)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092398">https://scccd.instructure.com/courses/104743/assignments/3092398</a> )	due by 11:59pm
Mon Apr 1, 2024	 <a href="#">Exam 3</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092390">https://scccd.instructure.com/courses/104743/assignments/3092390</a> )	due by 11:59pm
Sat Apr 6, 2024	 <a href="#">Lab 9. The production of Hydrogen Gas</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3103643">https://scccd.instructure.com/courses/104743/assignments/3103643</a> )	due by 11:59pm
Sun Apr 7, 2024	 <a href="#">Hwk 13 (Ch 12)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092399">https://scccd.instructure.com/courses/104743/assignments/3092399</a> )	due by 11:59pm
Mon Apr 8, 2024	 <a href="#">Lab Quiz 3</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092421">https://scccd.instructure.com/courses/104743/assignments/3092421</a> )	due by 11:59pm
Fri Apr 12, 2024	 <a href="#">Lab 11b</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092411">https://scccd.instructure.com/courses/104743/assignments/3092411</a> )	due by 11:59pm
Sun Apr 14, 2024	 <a href="#">Hwk 14 (Ch 13)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092400">https://scccd.instructure.com/courses/104743/assignments/3092400</a> )	due by 11:59pm
Sun Apr 21, 2024	 <a href="#">Hwk 15 (Ch 14)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092401">https://scccd.instructure.com/courses/104743/assignments/3092401</a> )	due by 11:59pm
Fri Apr 26, 2024	 <a href="#">Lab 14 Online (Molar Mass)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092413">https://scccd.instructure.com/courses/104743/assignments/3092413</a> )	due by 11:59pm
Sun Apr 28, 2024	 <a href="#">Hwk 16 (Ch 17)</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092402">https://scccd.instructure.com/courses/104743/assignments/3092402</a> )	due by 11:59pm

Date	Details	Due
Mon Apr 29, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092391">Exam 4</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092391">https://scccd.instructure.com/courses/104743/assignments/3092391</a> )	due by 11:59pm
Mon May 6, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092422">Lab Quiz 4</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092422">https://scccd.instructure.com/courses/104743/assignments/3092422</a> )	due by 11:59pm
Fri May 10, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092427">pH worksheet</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092427">https://scccd.instructure.com/courses/104743/assignments/3092427</a> )	due by 11:59pm
Mon May 13, 2024	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092394">Final Exam</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092394">https://scccd.instructure.com/courses/104743/assignments/3092394</a> )	due by 11:59pm
	 <a href="https://scccd.instructure.com/courses/104743/assignments/3092425">Roll Call Attendance</a> ( <a href="https://scccd.instructure.com/courses/104743/assignments/3092425">https://scccd.instructure.com/courses/104743/assignments/3092425</a> )	