

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

Sections: 57173

Term: Spring 2024

## Course Information

Class times:

- Lectures
  - 57173T/Th 5:00-6:15 PM
- Your lab time depends on your section,
  - 50043 Th 6:30PM-9:20PM MSCI 201
- Office Hours
  - 30 minutes before class on T/TH and after class as needed.
  - Feel free to email or message me as well

## 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)

## Faculty Information

Instructor: Zachary Eagleton

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

Cell phone: (209) 710-7535 (**text only**, this is the best method of contacting me). I will usually get back to within the hour (or faster).

email: zachary\_eagleton@sangerusd.net

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](#)

## 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

- Coming Soon!

## 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.

Week		Lectures	Tuesday or Thursday Lab
1	1/8-/12	<a href="#">Chapter 1, 2</a>	Safety, lab locker, <a href="#">Worksheet 2a</a> <a href="#">Chem 3A 1A 1B Safety Agreement.pdf</a> <a href="#">Download Chem 3A_1A_1B Safety Agreement.pdf</a>
2	1/15-1/19	<a href="#">Chapter 3</a>	1/15 (M) MLK Holiday Observed No Lecture or Lab Monday. Lecture and Lab will be held on Wednesday. <a href="#">Lab 1: Properties and changes of matter</a> 1/19 (F) Last day to drop and receive a fee refund
3	1/22-1/26	<a href="#">Chapter 4</a>	<a href="#">Lab 2: Calorimetry experiment</a> <a href="#">Lab 3. Density of liquids and solids</a> 1/26 (F) Last day to drop and avoid a W

4	1/29-2/2	<a href="#">Chapter 5</a>	<a href="#">Exam 1 (Ch 1-4): Scantron 882E Needed</a> <a href="#">Nomenclature worksheet</a>
5	2/5-2/9	<a href="#">Chapter 6</a>	<a href="#">Lab 4: The Mole</a> <a href="#">Lab Quiz 1</a>
s6	2/12-2/16	<a href="#">Chapter 7</a>	<a href="#">Lab 5: Empirical Formula of a Compound</a> 2/16 (F) Presidents day observed
7	2/19-2/23	<a href="#">Chapter 8</a>	2/19 (M) Presidents Day Observed No Lecture or Lab Monday. Lecture and Lab will be held on Wednesday. <a href="#">Lab 7: Reaction Types: Copper Chemistry</a>
8	2/26-3/1	<a href="#">Chapter 9</a>	<a href="#">Exam 2 (Ch 5-8): Scantron 882E Needed</a>
9	3/4-3/8	Chapter 9 Continued (most likely)	<a href="#">Lab 10. Synthesis of Alum</a> <a href="#">Lab Quiz 2</a> 3/8 (F) Last day to drop (letter grades assigned after this date)
10	3/11-3/15	<a href="#">Chapter 10</a>	<a href="#">Lab 13 - Formula of a Hydrate</a>

11	3/18-3/22	<a href="#">Chapter 15 (Short)</a> <a href="#">Chapter 11</a>	<a href="#">Lewis diagrams and molecular model</a>
	3/25-3/29	Spring Break	No classes
12	4/1-4/5	<a href="#">Chapter 12</a>	<a href="#">Exam 3 (Ch 8-11, 15): Scantron 882E Needed</a> Lab 9. Production of Hydrogen Gas
13	4/8-4/12	<a href="#">Chapter 13</a>	<a href="#">Lab 11: Acid base titration lab, mock practical</a>  <a href="#">Lab Quiz 3</a>
14	4/15-4/19	<a href="#">Chapter 14</a>	<a href="#">Lab 11: Lab Practical</a> <b>pH worksheet</b> (You do this one on your own outside of class, but come to class with questions!)
15	4/22-4/26	<a href="#">Chapter 17</a>	Exam Review
16	4/29-5/3	Final Exam Review	<a href="#">Exam 4 (12-14, 17): Scantron 882E Needed</a>
17	5/6-5/10	Final Exam Review	<a href="#">Lab Quiz 4</a>

18	5/13- 5/17	Final Exam. See Syllabus for time and date. Cumulative, counts twice, replaces lowest exam). No lab. <b>Scantron 882E Needed.</b>	<b>We only meet during the lab period for the final exam</b>
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