Course Syllabus

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Syllabus for Chem 3A: Intro Gen Chemistry
Reedley College

Sections: 52044 & 52045

Term: Fall 2023

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Course Information

Class times:

- Lecture M, T, F 1:30 PM - 2:35 PM
- Lab W 1:43 PM-3:25 PM (in person), W 3:30-4:15 PM Zoom
- Office Hours
  - M/T/W/F 45 minutes before class SHS RM108
  - T/Th 5:30P-6:30P MSCI 201
  - F 9A-12P MSCI 202 or 201

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: It is best to contact me via Canvas email and we can also set up zoom meetings as needed.
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**

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 Exam: Thursday 12/14/23

Exams

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

- **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
- 20% Lab reports/worksheets. You must successfully complete Experiment 11B to pass the class. In addtion, you must receive at a 70% average in lab to pass the course.
- 5% Lab Quizzes
- 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
Fri Aug 11, 2023	Worksheet 2b (https://scccd.instructure.com/courses/102315/assignments/2887123)	due by 11:59pm
Sun Aug 13, 2023	Hwk 1 & 2 (Chapters 1 & 2) (https://scccd.instructure.com/courses/102315/assignments/2887097)	due by 11:59pm
	Cookie Project Part 1 (https://scccd.instructure.com/courses/102315/assignments/2907245)	due by 11:59pm
Mon Aug 14, 2023	Cookie Project (https://scccd.instructure.com/courses/102315/assignments/2895520)	due by 11:59pm
Wed Aug 16, 2023	Chapter 1-3 Quiz (https://scccd.instructure.com/courses/102315/assignments/2918967)	due by 11:59pm
Fri Aug 18, 2023	Exp 3 - Densities of Liquids and Solids (https://scccd.instructure.com/courses/102315/assignments/2887096)	due by 11:59pm
Sun Aug 20, 2023	Hwk 3 (https://scccd.instructure.com/courses/102315/assignments/2887105)	due by 11:59pm
Fri Aug 25, 2023	Exp 1 - Properties and Changes of Matter (https://scccd.instructure.com/courses/102315/assignments/2887095)	due by 11:59pm
Sat Aug 26, 2023	Introductions (https://scccd.instructure.com/courses/102315/assignments/2887090)	due by 11:59pm

Date	Details	Due
Sun Aug 27, 2023	Hwk 4 (https://scccd.instructure.com/courses/102315/assignments/2887106)	due by 11:59pm
Wed Aug 30, 2023	Exam 1 (Ch 1-4) (https://scccd.instructure.com/courses/102315/assignments/2887091)	due by 11:59pm
Fri Sep 1, 2023	Lab 4 - Mole (https://scccd.instructure.com/courses/102315/assignments/2887116)	due by 11:59pm
Sun Sep 3, 2023	Hwk 5 (https://scccd.instructure.com/courses/102315/assignments/2887107)	due by 11:59pm
Mon Sep 4, 2023	Hwk 6 (https://scccd.instructure.com/courses/102315/assignments/2887108)	due by 11:59pm
	That one thing. (https://scccd.instructure.com/courses/102315/assignments/2887089)	due by 11:59pm
Fri Sep 8, 2023	Nomenclature Worksheets (https://scccd.instructure.com/courses/102315/assignments/2887121)	due by 11:59pm
Tue Sep 12, 2023	Hwk 7 (https://scccd.instructure.com/courses/102315/assignments/2887109)	due by 11:59pm
Wed Sep 20, 2023	Lab 14 Online (Molar Mass) (https://scccd.instructure.com/courses/102315/assignments/2887114)	due by 11:59pm
	Lab 5 - Empirical Formula (https://scccd.instructure.com/courses/102315/assignments/2887117)	due by 11:59pm
Thu Sep 21, 2023	Lab 13 - Formula of a Hydrate (https://scccd.instructure.com/courses/102315/assignments/2887113)	due by 11:59pm
Mon Oct 9, 2023	Hwk 8 (https://scccd.instructure.com/courses/102315/assignments/2887110)	due by 11:59pm
	Lab 7. Reaction Types (https://scccd.instructure.com/courses/102315/assignments/2887118)	due by 11:59pm
Tue Oct 17, 2023	Hwk 9 (https://scccd.instructure.com/courses/102315/assignments/2887111)	due by 11:59pm

Date	Details	Due
	Lab 11b Online (https://scccd.instructure.com/courses/102315/assignments/2887112)	due by 11:59pm
Wed Oct 25, 2023	Hwk 10 (https://scccd.instructure.com/courses/102315/assignments/2887098)	due by 11:59pm
	Hwk 11 (Ch 15) (https://scccd.instructure.com/courses/102315/assignments/2887099)	due by 11:59pm
	Lab 2 Online (https://scccd.instructure.com/courses/102315/assignments/2887115)	due by 11:59pm
	pH worksheet (https://scccd.instructure.com/courses/102315/assignments/2887124)	due by 11:59pm
Thu Oct 26, 2023	Lewis Dot wks (https://scccd.instructure.com/courses/102315/assignments/2887120)	due by 11:59pm
Mon Nov 13, 2023	Hwk 12 (Ch 11) (https://scccd.instructure.com/courses/102315/assignments/2887100)	due by 11:59pm
	Hwk 15 (Ch 14) (https://scccd.instructure.com/courses/102315/assignments/2887103)	due by 11:59pm
	Lab 9 Online (https://scccd.instructure.com/courses/102315/assignments/2887119)	due by 11:59pm
Tue Nov 21, 2023	Hwk 13 (Ch 12) (https://scccd.instructure.com/courses/102315/assignments/2887101)	due by 11:59pm
	Hwk 16 (Ch 17) (https://scccd.instructure.com/courses/102315/assignments/2887104)	due by 11:59pm
Wed Nov 22, 2023	Hwk 14 (Ch 13) (https://scccd.instructure.com/courses/102315/assignments/2887102)	due by 11:59pm
	Exam 2 (https://scccd.instructure.com/courses/102315/assignments/2887092)	
	Exam 3 (https://scccd.instructure.com/courses/102315/assignments/2887093)	

Date	Details	Due
	Exam 4 (https://scccd.instructure.com/courses/102315/assignments/2887094)	
	Roll Call Attendance (https://scccd.instructure.com/courses/102315/assignments/2887122)	

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, SCCCD 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