Course Syllabus Chem 162L: General Chemistry Lab II Spring 2023

You are at the syllabus page for the course.

Instructor Information

Instructor: Michael Ferguson. Ph.D.

Welcome to Chem 162L. This is the lab companion class to Chem 162.

Add other prerequisite skills necessary as related to your course.

Program Learning Outcomes

Required Materials and Technology

Required Hardware and Software

Reliable high-speed (Cable or DSL) Internet connection

There are 600 points of quizzes, tests, and lab reports on Labflow.

Assessment

600 total points for the assignments

total

Lab exercises and tests are carried out on Labflow's online portal.

Supplies

Labflow online access

An updated internet browser.

Course Format and Outline

Grading Breakdown

Assessment Descriptions

Percent

100-90%

89-80%

79-70%

69-60%

DISABILITIES ACCOMMODATIONS

Jojo Miller, Confidential Advocate

Phone: (808) 348-0663

Office: Hale Kāko'o 110

Phone: (808) 235-7393

Office: Hale Kāko'o 101

Phone: (808) 235-7468

you need.

Affairs Office:

Ka Piko Services

any questions.

• Location: Alaka'i 121

• Phone: (808) 235-7422

Academic Support Services

Email: karlas@hawaii.edu

Office: Hale 'Ākoakoa 220

ACADEMIC INTEGRITY

Email: advocate@hawaii.edu

Email: dkahale3@hawaii.edu

Karla K. Silva-Park, Title IX Coordinator

Interim EP 1.204, go to manoa.hawaii.edu/titleix/

summarizing with reference to the original author.

ALTERNATE CONTACT INFORMATION

Students will receive a failing grade for plagiarized assignments.

Please see the following link to access additional services:

https://windward.hawaii.edu/services-for-students/

knowledgeable peers who are ready to assist you!

problems or questions with personal computers and other smart devices.

Ka Piko also provides free weekly Success Connection Workshops for students

and problem solving processes.

citations, drafting, and revising.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

harassment, domestic violence, dating violence, and stalking.

Desrae Kahale, Mental Health Counselor & Confidential Resource

Below 60

Course Format

Grading Policies

Grading Policy

Student Accomodations

Grade

В

С

D

Technical Skill Requirements

Send To Printer | Close Window

General Chemistry Lab II

Welcome

Office Hours: MT 9-11:30 AM Virtual Office: https://hawaii.zoom.us/j/98910339608 Email: mferguso@hawaii.edu or use Laulima Messages tool

Phone: (808) 984-3312 **Email**: mferguso@hawaii.edu or use Laulima Messages tool Note: During normal week hours I will respond within a day. On the weekend or holidays I may not respond until the following business day.

Course Information Course Purpose

This course is meant to be a companion lab class to Chem 162. **Course Description** application.

This course introduces the fundamental Principles of chemistry. This course is to supplement the general chemistry course. Its objective is to familiarize the student with some basic laboratory techniques. The laboratory will be a regime where the scientific method will meet a practical **Course Content**

Laboratory exercises illustrating chemical principles. **Course Communication**

I will send weekly announcements to the class and I will be available via email or through laulima.

Academic Prerequisites Enrollment or completion in Chem 162 or consent Keyboard and <u>basic computer skills</u>

Course Learning Outcomes

1. Develop an appreciation for the methods of scientific inquiry through computer-based laboratory experiments showing real-time data. 2. Apply knowledge to determine molar mass of unknown substance using freezing point depression data of solution. 3. Calculate chemical reaction rate and constant using graphing analysis. 4. Predict the effects of concentration and temperature changes on equilibrium mixtures using Le Chatelier's principle. 5. Determine whether equilibrium is established and calculate equilibrium concentrations/constants and cell potentials.

6. Apply and articulate the scientific method by preparing lab reports using the standard scientific format. Express in writing core chemistry

1. Explain the natural and technological world using reflection and quantitative analysis including preparation of a plan to collect, process, and

% of Grade

100 100

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are

reached at (808) 235-7448, royinouy@hawaii.edu, or you may stop by Hale Kāko'o 106 for more information.

discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and

mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the

For more information regarding sex discrimination and gender-based violence, the University's Title IX resources and the University's Policy,

Work submitted by a student must be the student's own work. The work of others should be explicitly marked, such as through use of quotes or

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic

Ka Piko Services provides FREE academic and technical support to all WCC students. Our services are available both in-person and virtually (via

• Ka Piko Math Lab provides assistance for all math courses offered at WCC, helping to improve students' understanding of important concepts

• Ka Piko Writing Lab provides assistance with any and all aspects of the writing process, including: brainstorming, research, MLA formatting and

• Ka Piko Student Tech. Support can assist students with Google@UH, Laulima, MyUH, UH accounts, and can provide best-effort support for

Visit the Ka Piko webpage at go.hawaii.edu/A42 for more information about our services, to learn how to connect with our tutors and tech

assistants, or to RSVP for a Success Connection Workshop. Contact the Ka Piko Coordinator, Scott Sutherland, at scottjks@hawaii.edu if you have

Zoom). Our goals are to help students succeed academically and to become independent lifelong learners. We are staffed by friendly and

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):

campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your

case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support

principles, results of experiments and do critical thinking by synthesizing conclusions based on observations and data.

interpret data; evaluation of the plan, procedures, and findings; and communication of the conclusions;

2. Explain scientific knowledge and understanding to different audiences for a range of purposes; and

3. Apply scientific knowledge, skills, and understandings to problems and issues in daily life.

• A more recent model desktop or laptop (2014 or later model), either Windows or Mac

Students should be able to navigate laulima (sakai learning management system).

Grades will be based on the following weighted categories (subject to change):

Textbook, OER Resources or Recommended Materials