

Chemistry 161 – General Chemistry

Tentative Fall 2023 Schedule

Prof. Amy Fuller
amy.fuller@hawaii.edu
Office: BIL236

Section 01: Meet T/R 12:00 to 1:15 Final T 12:00 - 2:00

Office Hours
schedule by email

August					
Week	Mon	Tue	Wed	Thurs	Friday
1	21	22 Ch. 0	23	24 Ch. 1	25
2	28	29 Ch. 1/2	30	31 Ch. 2	
September					
	Mon	Tue	Wed	Thurs	Friday
2					1
3	4 Labor Day	5 Ch. 3	6	7 Ch. 3	8
4	11	12 Exam 1	13	14 Ch. 4	15
5	18	19 Ch. 4	20	21 Ch. 4/5	22
6	25	26 Ch. 5	27	28 Ch. 5	29
October					
	Mon	Tue	Wed	Thurs	Friday
6	2	3 Ch. 6	4	5 Ch. 6	6
7	9	10 Ch. 6	11	12 Exam 2	13
8	16	17 Ch. 7	18	19 Ch. 7	20
9	23	24 Ch. 7	25	26 Ch. 8	27
10	30	31 Ch. 8			
November					
	Mon	Tue	Wed	Thurs	Friday
10			1	2 Ch. 8/9	3
11	6	7 Ch. 9	8	9 Ch. 9	10 Veteran's Day
12	13	14 Ch. 9	15	16 Exam 3	17
13	20	21 Ch. 10	22	23 Thanksgiving	24 No Classes
14	27	28 Ch. 10	29	30 Ch. 11	
December					
	Mon	Tue	Wed	Thurs	Friday
15					1
16	4	5 Ch. 11	6	7 Ch. 11	8 No Classes
17	11	12 01: 12:00 - 2:00	13	14	15

Grading Scale:

Overall %	Grade Earned
98.0% and up	A+
93.0-97.9%	A
90.0-92.9%	A-
88.0-89.9%	B+
83.0-87.9%	B
80.0-82.9%	B-
78.0-79.9%	C+
73.0-77.9%	C
70.0-72.9%	C-
68.0-69.9%	D+
63.0-67.9%	D
60.0-62.9%	D-
59.9% or below	F

Tentative Grading

	pts each	total
Exams	3 x 100	300
Final Exam	1 x 150	150
Homework*	12 x 13	156

Total Points 606

*other assignments may be assigned

Ch Topics covered by Chapter

- 1 Science and Measurement
- 2 Atoms and the Periodic Table
- 3 Compounds and the Mole
- 4 Chemical Reactions and Aqueous Solutions
- 5 Stoichiometry
- 6 Thermochemistry
- 7 Gases
- 8 The Quantum Model of the Atom
- 9 Periodicity and Ionic Bonding
- 10 Covalent Bonding
- 11 Molecular Shape and Bonding

Late homework will receive a 10% penalty per day.
Homework can't be submitted more than three days late.
Exams will be held on the scheduled day.
Missed exams can not be made up.

Chemistry 161 – General Chemistry I

Fall 2023

Professor: Dr. Amy Fuller

Email: amy.fuller@hawaii.edu

Lecture Section:

01: 12:00 – 1:15

I. General Information

Course Goals: Your goal is to pass the class, my goal is to expand your problem solving ability, increase your knowledge of chemistry, and enhance your ability to see chemical principles at work in the world around you.

Academic Integrity: Don't cheat. Cheating in any form on an assignment or exam will, at a minimum, result in a zero grade on that assignment/exam and the filing of an Academic Dishonesty Report Form describing the incident with the Vice President of Student Affairs. I will adhere to the university policy on academic honesty found online at: http://www.studentaffairs.manoa.hawaii.edu/policies/conduct_code/

What is cheating? For homework assignments, I encourage you to help each other and use your resources: the book, tutors, google, AI and more! You can share photocopies of your work, but do not copy and share screenshots of webpages or Achieve answer pages. Sharing screenshots is cheating.

For exams, you will receive directions on what you materials you can and cannot use. You are expected to do your own work to learn the material and you cannot use other people for exams.

Participation: Come to class! You will be more successful. However, attendance is not required. The meetings or resources will be helpful to you learning the material. The lecture material may or may not be posted to Laulima after class. Taking notes during lecture, finishing homework assignments on time, doing problems out of the book, going to review sessions, and also attending LA office hours will be helpful for you to learn the material. Set aside consistent time each week to study and do homework. Force yourself to deep think!

Students with Disabilities: Students with conditions that may require test accommodations are encouraged to contact me privately and contact the KOKUA Program (the Office for Students with Disabilities). I will not accommodation without KOKUA recommendations. KOKUA can be reached at (808) 956-7511 or (808) 956-7612 (voice/text) in Room 013 of the Queen Lili'uokalani Center for Student Services.

II. Lecture Materials

Online Textbook/Online Homework (required):

Interactive Gen.Chem.Achieve Access card (1 sem or 2 sem) is required. Achieve will allow you access to the ebook "Interactive General Chemistry" and the on-line homework (for 1 or 2 semesters). It is possible to register for free for 14 days and then you will need an access code purchased online (access can be purchased anytime). REFER TO LAULIMA CLASS ANNOUNCEMENT FOR REGISTRATION DETAILS.

Hard Copy Textbook (optional): If you want a hard copy textbook to study from, you can use any general chemistry textbook, but I recommend "Chemistry: A Molecular Approach" By Nivald Tro

Calculator: A hand-held scientific calculator capable of scientific notation for use on homework problems, quizzes, and exams. The instructor will not loan calculators to students who have none.

III. Tentative Grading & Evaluation for Lecture

TENTATIVE GRADING BREAKDOWN

Grading	#	pts each	total
Exams	3	100	300
Final Exam	1	150	150
Homework*	12	13	156
Total Points			606

*other assignments may be assigned

Exams: Three multiple choice/fill in the blank exams will be given. Exams will be in person and will only be given on the assigned day and time on the course calendar. Only excused medical absences will allow students to miss an exam and take it at a later date. Otherwise, no credit will be given. Any medical emergency must be documented by a hand-written doctor's note by a local doctor with a physical address and phone number on the heading of the note. Accommodations for conflicting work schedules, vacation plans, or any other non-emergency situations will not be made unless done so at least a week in advance. *Make-up exams or early exams are at the discretion of the professor, regardless of the excuse.*

Final Exam: The final is a multiple choice cumulative ACS standardized exam given only on the time and date listed on the class schedule. Make-up exams will *NOT* be given.

Homework: The homework questions will be online in Achieve. You will be assigned HW each week, which will generally be due on Saturday at 5 PM (10 pts). You are responsible for checking deadlines and completing your homework on time. A hardcopy of your written work will be due on Tuesday at the beginning of class. (3 pts)

Scoring: Each wrong answer will deduct 5% of the score on that problem. Late homework will deduct 10% of your grade on unanswered questions per day, after three days, the assignment will close and be scored as it is completed.

You are encouraged to do "Learning Curve Assignments" and problems out of the book. Odd number answers will be available on Achieve. Do more problems than assigned if a certain topic is confusing. Practice makes you better!

IV. Grading

Grade Scale: Letter grades will be determined based on your percentage and are up to the discretion of the professor. Grades will be rounded to the nearest 0.1%. For example an 89.49% rounds to 89.5%, which is a B+.

Approximate Grading Scale

Overall %	Grade Earned
98.0% and above	A+
93.0-97.9%	A
90.0-92.9%	A-
88.0-89.9%	B+
83.0-87.9%	B
80.0-82.9%	B-
78.0-79.9%	C+
73.0-77.9%	C
70.0-72.9%	C-
68.0-69.9%	D+
63.0-67.9%	D
60.0-62.9%	D-
59.9% or below	F

V. Course Learning Objectives

Course learning objectives can be found at: <http://manoa.hawaii.edu/chem/academics/courses/>

VI. UHM Title IX Syllabus Information

The University of Hawai'i 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 harassment, domestic violence, dating violence, and stalking. If you or someone you know experiences any of these, UHM has staff and resources on campus to support and assist you. Staff also can direct you to resources in the community. Here are some of your options:

If you wish to remain **ANONYMOUS**, speak with someone **CONFIDENTIALLY**, or would like to receive information and support in a **CONFIDENTIAL** setting, contact:

Office of Gender Equity

The Office of Gender Equity offers direct services to victims and survivors of sexual harassment and sexual assault. Services offered include crisis screening and assessment, case referral, safety planning and risk assessment.

Paxon Chang (available Tuesdays, Wednesdays, and Fridays)

Telephone: (808) 956-9499

Email: geneq@hawaii.edu

Queen Lili'uokalani Center for Student Services 210

2600 Campus Road

Honolulu, HI 96822

Website: <https://blog.hawaii.edu/genderequity/>

UH Confidential Advocacy

The UH Confidential Advocates provide confidential advocacy services and case management to victims* of sex discrimination and gender-based violence (including sexual harassment, gender-based harassment, dating and domestic violence, stalking, sexual exploitation, and sexual assault) who are involved in the University system on O'ahu.

Natalia Villegas

Telephone: (808) 341-4952

Email: nataliat@hawaii.edu

Pop in/Walk in Services:

Join Zoom Meeting: <https://hawaii.zoom.us/my/hccmanoaadvocate>

Mondays: 1PM – 3:30 PM

Tuesdays: 9:30 AM – 12 PM

Wednesdays 9:00AM – 11:00AM

Thursdays 4:30PM – 6:30PM

Student Parents At Mānoa (SPAM)

Student Parents At Mānoa (SPAM) seeks to increase the visibility of and resources for student parents at UH Mānoa as they pursue education while parenting. SPAM staff provide advocacy, support, and referrals for pregnant and parenting students to help them succeed in their educational goals.

Teresa Bill

2600 Campus Road
Queen Lili'uokalani Center for Student Services 211
Honolulu, HI 96822
(808) 956-8059
gotkids@hawaii.edu
<http://manoa.hawaii.edu/studentparents/>

Counseling and Student Development Center (CSDC)

The Counseling and Student Development Center (CSDC) offers support to UHM students, staff, and faculty to assist with personal, academic, and career concerns. All services are confidential and most are free of charge for Mānoa students. They also offer free consultation to faculty and staff on personal and student-related issues as well. CSDC office hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday. They also offer immediate walk in appointments for urgent or emergency/crisis services during their regular daily hours.

Queen Lili'uokalani Center for Student Services 312
2600 Campus Road
Honolulu, HI 96822
(808) 956-7927
uhmcsdc@hawaii.edu
www.manoa.hawaii.edu/counseling

University Health Services Mānoa (UHSM)

[The University Health Services Mānoa](#) (UHSM) is staffed by physicians, nurse clinicians, nurses, and other support staff, and offers a wide range of medical services and programs to UH Mānoa students, with many of the services also available to UH Mānoa faculty and staff and students from other UH campuses. Services include general medical care on a walk-in basis; women's health, sports medicine, psychiatry, and dermatology clinics by appointment; pharmacy and clinical laboratory; and student training, employment and volunteer opportunities.

1710 East West Road
Honolulu, Hawaii 96822
Honolulu, HI 96822
(808) 956- 8965
www.hawaii.edu/shs/

OR

If you wish to remain **ANONYMOUS**, speak with someone **CONFIDENTIALLY**, or would like to receive information and support in a **CONFIDENTIAL** setting, contact the confidential resources available here:

<http://www.manoa.hawaii.edu/titleix/resources.html#confidential>

If you wish to **REPORT** an incident of sex discrimination or gender-based violence including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence or stalking as well as receive information and support, contact:

Dee Uwono

Director and Title IX Coordinator

Hawai'i Hall 124

2500 Campus Road

Honolulu, HI 96822

(808) 956-2299

t9uhm@hawaii.edu

As a member of the University faculty, I am **required to immediately report** any incident of sex discrimination or gender-based violence to the 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 you need. For more information regarding sex discrimination and gender-based violence, the University's Title IX resources and the University's Policy, EP 1.204, go to: <http://www.manoa.hawaii.edu/titleix/>