

**CHEMISTRY 162: GENERAL CHEMISTRY II****INSTRUCTOR:** Dr. Kayla Gary**EMAIL:** kmgary@hawaii.edu**LECTURE HOURS:** MWF 11:30am – 12:20pm in Bilger 150**OFFICE HOURS:** MWF 12:30 - 2:30pm in Bilger 247A (and by appointment)**REQUIRED MATERIALS**

- By Registering for this course, you will automatically be given access to:
  - eTextbook: Chemistry: A Molecular Approach, by Nivaldo Tro, 4<sup>th</sup> Edition, Pearson. (You may additionally purchase a hard-copy textbook through the Pearson website if you wish.)
  - Pearson on-line homework access "Mastering Chemistry." PLEASE REFER TO MASTERING CHEMISTRY REGISTRATION INSTRUCTIONS ON LAULIMA FOR MORE DETAILS.
- iClicker for in-class participation credit. PLEASE REFER TO iCLICKER REGISTRATION INSTRUCTIONS FOR MORE DETAILS.
- Scientific calculator (graphing or non-graphing)

**ADDITIONAL REQUIRED RECITATION COURSE**

The lecture course is accompanied by a weekly 50-minute required recitation section led by undergraduate learning assistants (LAs). These sections will cover important concepts and problems from lecture in interactive, small group settings. You are required to attend the weekly recitation course you are enrolled in; attendance will be taken and be worth 5% of your overall grade in the course.

**CHEMISTRY 162 TENTATIVE LECTURE SCHEDULE (3 UNIT COURSE)**

<b>Week</b>	<b>Monday</b>	<b>Wednesday</b>	<b>Friday</b>
<b>Week 1</b> Aug 26 <sup>th</sup> – 30 <sup>th</sup>		Introduction to Chemistry 162 Chapter 11: Intermolecular Forces	
<b>Week 2</b> Sept 2 <sup>nd</sup> – 6 <sup>th</sup>	<b>No Class Monday Sept 2<sup>nd</sup>: Labor Day Holiday</b> Chapter 11: Intermolecular Forces		
<b>Week 3</b> Sept 9 <sup>th</sup> – 13 <sup>th</sup>		Chapter 13: Solutions	
<b>Week 4</b> Sept 16 <sup>th</sup> – 20 <sup>th</sup>		Chapter 13: Solutions Chapter 14: Kinetics	
<b>Week 5</b> Sept 23 <sup>rd</sup> – 27 <sup>th</sup>		Chapter 14: Kinetics	
<b>Week 6</b> Sept 30 <sup>th</sup> – Oct 4 <sup>th</sup>	<b>Exam 1 Monday Sept 30<sup>th</sup>: Chapters 11, 13, 14</b> Chapter 15: Chemical Equilibrium		
<b>Week 7</b> Oct 7 <sup>th</sup> – 11 <sup>th</sup>		Chapter 15: Chemical Equilibrium Chapter 16: Acids & Bases	
<b>Week 8</b> Oct 14 <sup>th</sup> – 18 <sup>th</sup>		Chapter 16: Acids & Bases	
<b>Week 9</b> Oct 21 <sup>st</sup> – 25 <sup>th</sup>		Chapter 17: Aqueous Ionic Equilibrium	
<b>Week 10</b> Oct 28 <sup>th</sup> – Nov 1 <sup>st</sup>		Chapter 17: Aqueous Ionic Equilibrium <b>Exam 2 Monday Oct 28<sup>th</sup>: Chapters 15, 16, 17</b>	
<b>Week 11</b> Nov 4 <sup>th</sup> – 8 <sup>th</sup>		Chapter 18: Thermodynamics	
<b>Week 12</b> Nov 11 <sup>th</sup> – 15 <sup>th</sup>	<b>No Class Monday Nov 11<sup>th</sup>: Veterans' Day Holiday</b> Chapter 18: Thermodynamics Chapter 19: Electrochemistry		
<b>Week 13</b> Nov 18 <sup>th</sup> – 22 <sup>nd</sup>		Chapter 19: Electrochemistry	
<b>Week 14</b> Nov 25 <sup>th</sup> – 29 <sup>th</sup>	<b>Exam 3 Monday Nov 25<sup>th</sup>: Chapters 18 &amp; ½ of 19</b> Chapter 19: Electrochemistry <b>No Class Thurs &amp; Fri Nov 28<sup>th</sup>/29<sup>th</sup>: Thanksgiving Holiday</b>		
<b>Week 15</b> Dec 2 <sup>nd</sup> – 6 <sup>th</sup>		Chapter 19: Electrochemistry Chapter 20: Nuclear Chemistry	
<b>Week 16</b> Dec 9 <sup>th</sup> – 13 <sup>th</sup>		Chapter 20: Nuclear Chemistry <b>Last Day of Instruction: Wednesday Dec 11<sup>th</sup></b>	
<b>Week 17</b> Dec 16 <sup>th</sup> – 20 <sup>th</sup>	<b>Cumulative Final Exam Friday Dec 20<sup>th</sup> 12-2pm in Bilger 150</b>		

\*Changes may be made at any time at the discretion of the instructor\*

**GRADING & EVALUATION SYSTEM FOR CHEMISTRY 162 LECTURE:**

**HOMEWORK (10%):** Homework will be completed on-line through Pearson's interactive homework system called "Mastering Chemistry." PLEASE REFER TO MASTERING CHEMISTRY REGISTRATION INSTRUCTIONS ON LAULIMA FOR DETAILS ON HOW TO REGISTER. **Homework is due on various days and you are responsible for submitting your homework on time. No late homework will be accepted.** There is an abundance of homework problems to practice for each chapter. **In order to receive full credit for each chapter's homework, you must successfully complete 25 questions per chapter (every question is worth one point).** Each chapter has ~80 points worth of problems available to practice, however you will only receive credit for up to 25 POINTS per chapter.

**IN CLASS PARTICIPATION WITH ICLICKER (5%):** The iClicker, iClicker 2, or any personal device such as a cell phone, laptop, or tablet can be used to assess in class attendance and participation during lecture and will account for 5% of your overall grade. Questions answered in lecture will not be graded for accuracy but rather for participation and engagement in the course. Please see the registration instructions on Laulima for how to correctly register your iClicker and sync your account to Laulima. Participation credit will be assessed starting on the second week of class.

**WEEKLY RECITATION CLASSES (5%):** Attendance of weekly recitation classes will count for 5% of your overall grade in the course.

**EXAMS (60%):** Three multiple choice exams will be given throughout the term to determine students' level of mastery of the material and will cover approximately 2-3 chapters each. Each exam will count for 20% of your total lecture grade. Make-up exams will not be given and will be given only on the assigned day and time. Only excused medical absences will allow students to take an exam at a later date. Otherwise, no credit will be given. The instructor cannot make accommodations for conflicting work schedules, vacation plans, or any other non-emergency situations. 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. Make-up exams are always at the discretion of the professor, regardless of the excuse.

**FINAL EXAM (20%):** There will be a multiple choice cumulative final exam given at the end of the course and will count for 20% of your total lecture grade. **The final exam will be given on Friday December 20<sup>th</sup> from 12:00-2:00pm in Bilger 150.** Make-up exams will not be given and will be given only on the assigned day and time.

**GRADING:** The grading scale for lecture is as follows:

Overall %	Grade Earned
98% or Above	A+
93-97%	A
90-92%	A-
88-89%	B+
83-87%	B
80-82%	B-
78-79%	C+
73-77%	C
70-72%	C-
68-69%	D+
63-67%	D
60-62%	D-
59% or Below	F

\*Scores **may** be curved at the end of the semester and is up to the discretion of the professor.

### **INSTRUCTOR METHODS & COURSE POLICIES**

Students should read the textbook for the upcoming lecture material prior to coming to class, **as well as take many hand-written notes in lecture to enhance learning.** You are encouraged to go to the office hours of the professor or *any* TA for help working through chemistry problems. Additionally, the Learning Emporium and Learning Assistance Center has knowledgeable people willing to help with Chemistry 162 as well as other math and science courses.

**Students are responsible for keeping track of their own points along with the instructor.** It is essential that students retain all returned assignments and course information. Late work will not be accepted; students must turn in assignments at assigned dates and times only. Every student is accountable for all work missed. Instructors are under no obligation to make special arrangements for students who are absent.

**ATTENDANCE:** You are required to attend the lecture section for which you are enrolled. The instructor reserves the right to request student ID verification at any time during this course. You may be dropped from the course if you have consecutive unexcused absences in lecture.

**STUDENTS WITH DISABILITIES**

Students with conditions that may require classroom or test accommodations are encouraged to contact me privately and contact the KOKUA Program (the Office for Students with Disabilities). 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.

**ACADEMIC DISHONESTY & CONDUCT**

Any act of plagiarism, or any other attempt to defraud the academic process will meet with reprimand and possible dismissal from the course without credit. Cheating in any form on an assignment will, at a minimum, result in a zero grade on that assignment and the filing of an Academic Dishonesty Report Form describing the incident with the Vice President of Student Affairs. Prior or future cheating incidents anywhere in the university could result in expulsion. Cheating includes: the copying or exchanging of information during exams or quizzes, using banned materials, information, or devices during exams/quizzes, and plagiarism. Exact reproduction of written materials from other students on any lab report will result in all parties receiving a zero. An on-line version of the Academic Honesty Policy for the university can be found at:

[http://www.studentaffairs.manoa.hawaii.edu/policies/conduct\\_code/](http://www.studentaffairs.manoa.hawaii.edu/policies/conduct_code/)