

WEEK OF:	CHAPTER-:	LECTUR-E TOPIC:	Assignment\$:
1. Jan 8	CHP-1 CHP-4;21	Matter and Measurement Non-redox-Redox Eqns. Course Mechanics	
2. Jan 15	CHP-1 CHP-2 Q11)4,21	Matter and Measurement continued; Atoms., Elements & Cpds Lecture Quiz 1,1-19	
3. Jan 22	CHP-3	Formula & Eqn Stoichiometry Redox Quiz 1, 1-24	
4. Jan 29	CHP 3Cont. GHP4	Formula & Equation Stoichiometry Reactions in Aqueous soln. Lecture Midterm 1,2-2	
5. Feb 5	CHP-5 CHP6	Brief Intro. Gases Energy in Chemical Equations.	
6. Feb 12	CHP6	Energy in Chemical Equations . Lab. Midterm I, 2-14	
7. Feb 19	CHP 7	Atomic Structure Lecture Quiz 11-2-23	
8. Feb 26	CHP 7 CHP8	Atomic Structure; Periodicity Lecture Midterm 11-3-2	
9. Mar 5	CHP 8 CHP 9	Chemical Periodicity; Models of Chemical Bonding Redox Quiz 11, -7	
10. Mar 12	GHP 9	Molecular Geometry Lecture Midterm 11-3-16	
11. Mar 19	CHP9, 10, & 11	Molecular Geometry/orbitals Review for Final Exam. Lab. Midterm 3-21 Lab. Midterm 3-21	
12. Mar 26		Final Examination-a-25-2017. 8:15-11:15 A.M. YOU MUST BE PRESENT FOR THE EXAM. NO ALTERNATIVE DATES WILL BE ALLOWED. Final taken in lect. I.Q.Q. file...	

Warning: YOU can expect a 10 point pop quiz at any time during lecture; they cannot be made up.

CHEM 1A
LAB MEETS TWICE A WEEK

WINTER 18

WEEK OF	WEEK	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
1/7/18	1	CHECK-IN	CHECK-IN	MEASUREMENT (NO PREP)	MEASUREMENT (NO PREP)
1/14/18	2	MARTIN LUTHER KING'S DAY	NOMEMCLATURE (NO PREP)	NOMEMCLATURE (NO PREP)	HYDRATE (1)
1/21/18	3	HYDRATE (1)	HYDRATE (2)	HYDRATE (2)	PRECIPITATION (1)
1/28/18	4	PRECIPITATION (1)	PRECIPITATION (2)	PRECIPITATION (2)	TYPES OF REACTIONS (1)
2/4/18	5	TYPES OF REACTIONS (1)	TYPES OF REACTIONS * (2)	CONDUCTIVITY (1) (VERNIER)	CONDUCTIVITY (1) (VERNIER)
2/11/18	6	CONDUCTIVITY (2) (VERNIER)	CONDUCTIVITY (2) (VERNIER)	ACID-BASE TITRATION (1)	ACID-BASE TITRATION (1)
2/18/18	7	PRESIDENT'S DAY	ACID-BASE TITRATION (2)	ACID-BASE TITRATION (2)	REDOX TITRATION (1)
2/25/18	8	REDOX TITRATION (1)	REDOX TITRATION (2)	REDOX TITRATION (2)	REDOX TITRATION (3)*
3/4/18	9	REDOX TITRATION (3)*	CALORIMETRY (1)	CALORIMETRY (1)	CALORIMETRY (2)
3/11/18	10	CALORIMETRY (2)	LINE SPECTRA	LINE SPECTRA	MOLECULAR MODEL(1)
3/18/18	11	MOLECULAR MODEL (1)	MOLECULAR MODEL(2)*	CHECK-OUT	CHECK-OUT
3/28/18	12	FINALS	FINALS	FINALS	FINALS

+: EXTRA DAY

*=EXTRADAY

t. Where and when the instructor can be found:

- A. Office Science Center, Room No.: SC-1220. (2-nd floor)
- B. Office phone no.: (408)-550-4216
- C. E-mail: calgherpaul@fhda.edu
- D. Office hours: M & W 2:30 -3:20 P.M.; Fri: 9:30-10:20

tt. Attendance polrcy:

- A. If you miss two consecutive lectures or laboratories, you will be dropped from the class.
- B. Be sure that you are present for both lecture and laboratory for the entire designated time period.
- C. Do not leave a laboratory session before the designated ending time without first checking out with your instructor.
- D. Be sure that you sign the attendance sheet, using your complete signature (No Initia1s !H!), at each lecture and laboratory meeting.

III. Examinations and Laboratory Reports:

- A. All examinations and quizzes, with the exception of ten point quizzes in lecture, will be announced. Pfease see bottom section of the syffabus.
- 8. All laboratory reports wm be due one week after completion of the specific -laboratory exercise.
LATE LABORATORY REPORTS WILL NOT BE ACCEPTED. NO LABORATORY REPORTS WILL BE .REOUJ.RED FO.R THE OUA.LITATJVE A.NALYTJCAL SECTJON OF THE CHEMISTRY 1C LABORATORY.
- C. A comprehensive final examination will be given on the **OFFICIAL COLLEGE FINAL DATE: IN THE INTEREST OF FINAL EXAM SECURITY AND FAIRNESS TO ALL STUDENTS IN ALL OF MY CHEMISTRY SECTIONS, I WILL NOT ACCOMODATE ANY REQUESTS FOR ALTERNATE FINAL EXAMINATION DATES!!!!!!!!!!!!!!!!!!!!**
- D. Final course grades will be posted in the college secureportal.

IV. Grading Policy and Course Point Allocation:

- A. This course is graded on a total point basis.
- B. Upon returning each examination, a class average and point-letter grade scale will be written on an acetate sheet ond projected using an overhead projector.
- C. It is the responsiblity of the student to keep a running total of his/her points throughout the quarter so that one **WM** always know their totat point accumulation and percentage of totaf po1nts attained so that one will always .know their letter-.grade standing in the course. Please see ledger for recording points presented on page 3.
- D. A representative grade scale is presented below:

(100-85) %	=	A
(64-72) %	=	B
(71-60) %	=	C
{ 59-40) %	=	D
(39-00) %	=	F

E. Point Allocations:

Leet.: Quizt	50	Points	Laboratory:			
Mid-term I	100	Points	Midterm I	150	Points	
Quiz H	50	Points	Midterm U	150	Points	
Midterm ti	100	Points				
Midterm tll	100	Points				
Final Exam.	200	Points	Reports	100	Points	
Leet Pt.Tota:t	600	Points (60%)	Lab. Pt. Total	400	Points(40%)	

V. Makeup Work:

- A. No makeups allowed for laboratory work.
- B. A missed examination can be made up only for legitimate cause. The instructor must be notified of an absence before a quiz or midterm is given. Unannounced quizzes cannot be made up; you simply lose the bonus points. Without prior notification a quiz or midterm cannot be made up and a zero will be recorded for such quiz or midterm. Any allowed makeup must be completed within three school days that class took quiz or midterm and also at the convenience of the instructor.

VI. Withdrawal From Class:

- A. Each student registered in this class is expected to successfully complete the course
- B. If, for any conceivable reason, you are unable to complete this class, you must officially withdraw from class including checking out of your laboratory locker.
- C. Failure to officially withdraw will result in a hold being placed on all grades and records, prohibition of your registering for a succeeding quarter, and the possibility of your receiving an "F" grade in this class.
- D. **IF YOU ARE UNABLE TO COMPLETE THIS CLASS, YOU MUST CHECK OUT OF YOUR LABORATORY LOCKER (DURING YOUR REGULARLY ASSIGNED LAB TIME) AS SOON AS YOU MAKE THE DECISION NOT TO COMPLETE THIS CLASS. PLEASE-00-NOT WAIT UNTIL THE LAST MINUTE TO TAKE CARE OF THIS IMPORTANT MATTER. YOUR INSTRUCTOR IS THE ONLY PERSON WHO CAN CHECK YOU OUT OF YOUR LABORATORY LOCKER. DO NOT BUDGE ANOTHER FACULTY MEMBER AND ABOVE ALL, DO NOT ASK THE STOCKROOM TECHNICIAN TO CHECK YOU OUT: THIS MATTER IS NOT THE RESPONSIBILITY OF THE STOCKROOM TECHNICIAN.**

VII. Supplies to be Provided by the Student:

- A. Text: SHberberg & Amateis (Required)
- B. Solution Manual For above text (Required)
- C. Lab. Exercises Access Departmental Web Site & Print out
- D. Calculator Four function calc. with exp. function (Required)
- E. Safety goggles **YOU MUST PROVIDE YOUR OWN. YOU MUST WEAR THEM AT ALL TIMES WHILE IN THE LABORATORY.**
- F. Locker Security **Combination Locks will be provided in laboratory.**
- G. Bound laboratory notebook 9-3/4 x 7-1/2 inch, quadrille, about 160 pages. (Required)

VI-H. Honor System and Conflict Resolution:

- A. Any evidence of dishonesty during test, quiz, or lab sessions will be used as a potential basis for dismissal from this class.
- B. Any course related complaints must first be brought to the attention, promptly, of the instructor before proceeding up the institutional organizational chart.

IX. Course Grade:

- A. You will receive one grade in this course. The laboratory instructor will submit to the lecture instructor the points accrued (accumulated) in lab. The lab. points will be combined with the lecture points in order to arrive at the overall course grade.
- B. **IN ORDER TO RECEIVE A PASSING GRADE IN THIS COURSE YOU MUST RECEIVE A PASSING GRADE IN THE LABORATORY PORTION OF THE COURSE. IF YOU RECEIVE A FAILING GRADE IN THE LABORATORY AND AN A, B, C OR D GRADE IN THE LECTURE, YOU WILL RECEIVE AN F GRADE IN THE COURSE. IF THIS POLICY IS NOT CLEAR TO YOU, PLEASE SEE YOUR LECTURE INSTRUCTOR FOR A MORE COMPLETE EXPLANATION OF THIS MOST IMPORTANT POLICY.**

- X. Laboratory Safety:
- A. laboratory safety is of prime importance at all times. **ST-UDENTS -MUST WEAR SAFETY GOGGLES AT ALL TIMES WHILE IN THE LABORATORY.**
 - B. During the first laboratory session you will be shown the location of all safety equipment along with instruction as to how to use such equipment.
 - C. Specific safety aspects relating to a particular experiment will be pointed out prior to the performance of each experiment.
- XL Test Point Adjustment Policy:
- A. Please do not attempt to plea bargain more points on any of your quiz/ test scores.
 - B. Point adjustments will only be made for arithmetic errors in score determination.
 - C. Any request for point adjustments due to arithmetic errors must be brought to the attention of the instructor with three days of the return date of the test.
- XII. Prohibition of Use of Electronic Communication Devices:
- A. **A-LL -E-L-E-C-T-R-O-N-I-C C-O-M-M-U-N-I-C-A-T-I-O-N -D-E-V-I-C-E-S -M-U-S-T -B-E T-U-R-N-E-D O-F-F A-N-D -R-E-M-A-I-N O-F-F W-H-I-L-E I-N B-O-T-H L-E-C-T-U-R-E A-N-D L-A-B-O-R-A-T-O-R-Y. F-A-I-L-U-R-E T-O F-O-L-L-O-W T-H-I-S S-I-M-P-L-E R-U-L-E W-I-L-L R-E-S-U-L-T I-N Y-O-U-R E-X-P-U-L-S-I-O-N F-R-O-M T-H-I-S C-L-A-S-S. P-L-E-A-S-E D-O-N-O-T L-E-T T-H-I-S H-A-P-P-E-N T-O Y-O-U.**
 - B. **I-F Y-O-U C-A-N-N-O-T S-T-A-N-D T-O T-U-R-N O-F-F Y-O-U-R E-L-E-C-T-R-O-N-I-C C-O-M-M-U-N-I-C-A-T-I-O-N D-E-V-I-C-E, Y-O-U A-R-E P-R-O-B-A-B-L-Y T-O-O B-U-S-Y T-O B-E S-U-C-C-E-S-S-F-U-L I-N A C-H-E-M-I-S-T-R-Y C-O-U-R-S-E.**
- XIII. Course Prerequisite:
- A. Prep Course completed with a grade of C or higher.
 - B. Intermediate algebra completed with a grade of C or higher.
 - C. Placement test score with a raw score of 19 or more.
 - D. Chemistry I C: Must pass Chem I A and I B with a C or higher grade.
- XIV. Prohibition of "Buddy System" in laboratory:
- ALL LABORATORY EXERCISES WILL BE PERFORMED INDIVIDUALLY UNLESS YOU ARE OTHERWISE NOTIFIED BY THE INSTRUCTOR.**
- XV. **All directions regarding placement of waste chemicals and related hazardous substances must be strictly adhered to. There is zero tolerance for any conceivable deviations from stated directions.**
- XVI. SLO student learning objectives will be distributed first week of class.
- XVII. Student Safety and Waste Disposal Contract will be distributed at first laboratory meeting.

COURSE POINT RECORDATION SHEET:

Name: _____(Family)
 Name: _____(Given)
 Lab. Section No.: _____

I. LECTURE:

- Leet . Quiz. I ___ /50
- Leet. M.T. 1 --- /100
- Leet. Quiz. II -- 150
- Leet. M.T. tt _____/t0-0
- Leet M.T. m ___ /100
- Pop Quiz I----- /
- PopQuizII --- /
- Pop Quiz tu _____J
- Pop Quiz IV ----- /
- Quiz V f

It LAB:

L-I _____/150

- Lab. M.T. II ___ /150
- Lab. Rpt. I _____/10
- Lab.Rpt. II _____110
- Lab. Rpt. III _____/20
- Lab. Rpt. IV --- /10
- Lab. Rpt.V --- /10
- Lab. Rpt. VI ___ /10
- lab. Apt. VII ___ /10
- Lab. Hpt. vm ___ 110
- Lab. Hpt. IX _____J10
- Lab. Rpt. X -- /10

- Chem. 1C:
- Electrochem Rpt. ___ /20
 - Complex Rpt. _____/10
 - Aspirin Rpt. _____/20
 - Cobalt Rpt. _____/10
 - Anion Rpt. --- /10
 - Group A Apt _____t10
 - GroupB Rpt. ___ /25
 - Groupe Apt. ___ /25
 - GroupD Hpt. ___ 120

III. Final Ex. _____1200

Lab. Section No.: _____; Course and Number: _____ Family Name: _____
Given Name: _____

Course and School Background:

Former high school: _____ Year graduated: _____

Previous Biological Sciences: (Give course name and year taken):

Previous Physical Sciences: (Give course name and year taken) :

Previous Mathematics: (Give course name and year taken):

Career Objectives: _____

Reason(s) for taking this course: _____

Total unit course load this quarter: _____

Total number of hours of outside work (gainful employment) this quarter: _____

Total number of quarter hours attained thus far: _____

Study List for this quarter:

Course and number:

Instructor name:

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

For Chemistry 1A students only; have you taken the General Chemistry Placement Examination ? Yes **No (Circle one)**

If you answered "yes" to the above question, what was your score? _____

Please print out and detach and give to your LECTURE INSTRUCTOR AT END OF FIRST CLASS MEETING.

Student Learning Outcome(s):

*Identify and explain trends in the periodic table.

*Construct balanced reaction equations and illustrate principles of stoichiometry.

*Apply the first law of thermodynamics to chemical reactions.