

Welcome to CHM 100 Fundamentals of Chemistry Course Outline
http://www.chemicalkim.com/chemistry/chm100/CHM100_home.htm

Section Information:

Section numbers: 20666 and 20667

From 8:00 am- 9:20 am, we will be in lecture room 3350 on Mondays and Wednesdays.

For Section 20666: From 9:30 am-11:20 am, we will be in laboratory room 5220 on Mondays.

For Section 20667: From 9:30 am-11:20 am, we will be in laboratory room 5220 on Wednesdays.

Instructor Information:

My name is Chemical Kim (a.k.a Kim De Clercq)

My office is in room 7421 My phone number is: 488-4701 Ext. 2269

My office hours are Fridays 9:30 am – 11:00 am or by appointment. If I am not in the office please check in the laboratory room.

My e-mail is: kim@chemicalkim.com My website is: www.chemicalkim.com

Grade Determination:

<u>Requirements</u>	<u>Points</u>	<u>Percent</u>
Laboratory	10 labs @ 15 points each = 150 points	23%
Homework Quizzes	10 quizzes @ 20 points = 200 points	31%
Group Quiz	BONUS 6 points = 5-7 points	+ 1%
Tests	3 tests @ 100 points = 300 points	46%
<u>Total</u>	<u>650 POINTS POSSIBLE</u>	<u>100%</u>

Grading Scale:

100%-90% = 4.0, A 79%-75% = 2.5, B- 64%-60% = 1.0, D
89%-85% = 3.5, A- 74%-70% = 2.0, C 59% or below = 0.0, E
84%-80% = 3.0, B 69%-65% = 1.5, C-

Laboratory Requirements:

Lab procedures can be found at: <http://www.chemicalkim.com/chemistry/chm100/laboratory.htm>

Prior to each lab session, you must read the lab experiment on this Web site. To check for understanding and preparations - COMPLETE THE ONLINE PRELABORATORY QUIZ. Proper behavior in the laboratory is extremely important. Please refer to the *Laboratory Safety Rules* that will be provided and signed on the first day of the lab. Failure to follow the safety rules will result in a zero grade and dismissal for the particular lab.

Absent from Lab? You are still required to have ALL lab assignments turned in BY THE DUE DATE, regardless if you have an excused absence. If the scheduled lab absence is excused, see me ASAP for a make-up assignment. Missing more than one lab (excused or unexcused) will result in a zero grade.

Group Participation & Chapter Problems

Group participation involves completion of group practice problems and a group quiz.

What about unit problems? Suggested unit problems will be assigned at the beginning of each unit. Allow 10-20 hours each week for completing unit problems. These problems are not graded, but you are expected to come prepared and ready to present problem solutions to your group.

Does this mean I have to attend class? It is the policy of KVCC that attendance is taken in all courses. Attendance is extremely important for your success in CHM 100. Much of the material is new and concepts are difficult. Coming to class can greatly improve understanding.

Homework Quiz and Test Requirements:

A homework quiz or test will be given every week. Questions on homework quizzes and tests may come from lecture material, homework problems, and lab exercises.

Absent from a Homework Quiz? Homework quizzes will be taken online, you will usually get one week to complete the quiz. Your lowest quiz score will be dropped. All other quizzes must be taken or a zero grade will result.

Absent from a Test? All I have to say is – DO NOT MISS A TEST!!! A zero grade will result.

So what is excused?

The only excuses allowed are a death in the family, a pre-excused religious or family obligation or an extreme illness (with proper documentation). All others are unexcused!!! You must notify me BEFORE class to determine if it is excused!!!!

Policy for Cheating:

Cheating of any form (copying from someone else's lab, looking on another person's test paper, etc.) will not be tolerated. Those engaged will receive a zero grade for the work. If two parties are sharing work, both will receive a zero grade.

Course Requirements:

1. Chemical Kim's Unit Supplements and Unit Problems – printed from website.
2. Cracolice, M.S., Peters, E.I., *Introductory Chemistry 3rd Edition*; Brooks/Cole., Belmont, CA: 2006
3. Chapter supplements (provided on the website)
4. Online access & an email address (free for all KVCC students)
5. Periodic table
6. Scientific calculator
7. SAFETY GOGGLES!!

Course Description:

CHM 100 is a one-semester course intended to introduce the basic concepts of chemistry. Topics will include elements and compounds, atomic structure and chemical bonding, chemical equations and reaction energy, solutions, acid-base chemistry and gases.

Course Prerequisite:

Minimum ASSET Reading score of 42 or COMPASS score of 80 or TRS 102 and minimum ASSET Math Test 1 score of 49 or COMPASS PreAlgebra score of 79 or MATH 096

How to Succeed in CHM 100:

This course demands a lot of time spent on problem solving, mostly assigned problems outside of class. It is very important that you pace yourself and seek help when needed. If you are having difficulty with the material you have several options:

1. Form a regular study group with classmates. Call and meet periodically with classmates (i.e. before a quiz or test).
2. See the instructor during office hours or call for an appointment.
3. Visit the Learning Center (located in Room 2220 across from the Computer Lab). They offer free workshops in test-taking, study skills, reading, etc. Free tutoring services are also available.

I think you will find the challenge of this course to be both positive and rewarding, if you have the right attitude!

Monday Jan. 7	Unit 1: Matter & Energy	Wednesday Jan. 9	Unit 1: Matter & Energy
Online Quiz #1	Lab Introduction / Safety	Online Quiz #1	Lab Introduction / Safety
Monday Jan. 14	Unit 2: Measurement	Wednesday Jan. 16	Unit 2: Measurement
Online Quiz #1	Lab #1: Matter & Energy	Online Quiz #2	Lab #1: Matter & Energy
Monday Jan. 21		Wednesday Jan. 23	Unit 2: Measurement
No Class: MLK Jr.		Online Quiz #2	Lab #2: Measurement & Density
Monday Jan. 28	Unit 2: Measurement	Wednesday Jan. 30	Unit 3: Atomic Theory
Online Quiz #2	Lab #2: Measurement & Density	Online Quiz #3	Lab #3: P. Table & Isotopes
Monday Feb. 4	Unit 3: Atomic Theory	Wednesday Feb. 6	Unit 3: Atomic Theory
Online Quiz #3	Lab #3: P. Table & Isotopes	Online Quiz #4	No Lab: Help Session
Monday Feb. 11	Test 1: Units 1, 2, 3	Wednesday Feb. 13	Unit 4: Nomenclature
Online Quiz #4	No Lab	No Online Quiz	No Lab
Monday Feb. 18	Unit 4: Nomenclature	Wednesday Feb. 20	Unit 5: Chem Formulas
No Online Quiz	Lab #4: Chemical Bonding	Online Quiz #5	Lab #4: Chemical Bonding
Monday Feb. 25	Unit 5: Chem Formulas	Wednesday Feb. 27	Unit 5: Chem Formulas
Online Quiz #5	Lab #5: Nomenclature & Acids	Online Quiz #6	Lab #5: Nomenclature & Acids
Monday Mar. 3	No Class: Spring Recess	Wednesday Mar. 5	No Class: Spring Recess
Monday Mar. 10	Unit 6: React.s & Eqns	Wednesday Mar. 12	Unit 6: React.s & Eqns
Online Quiz #6	Lab #6: Chemical Formulas	Online Quiz #7	Lab #6: Chemical Formulas
Monday Mar. 17	Unit 6: React.s & Eqns	Wednesday Mar. 19	Unit 6: React.s & Eqns
Online Quiz #7	Lab #7: Chemical Reactions	Online Quiz #8	Lab #7: Chemical Reactions
Monday Mar. 24	Test 2: Units 4, 5, 6	Wednesday Mar. 26	Unit 7: Stoichiometry
Online Quiz #8	No Lab	No Online Quiz	No Lab
Monday Mar. 31	Unit 7: Stoichiometry	Wednesday Apr. 2	Unit 7: Stoichiometry
No Online Quiz	No Lab: Help Session	Online Quiz #9	No Lab: Help Session
Monday Apr. 7	Unit 8: Gas Laws	Wednesday Apr. 9	Unit 8: Gas Laws
Online Quiz #9	Lab #8: Stoichiometry	Online Quiz #10	Lab #8: Stoichiometry
Monday Apr. 14	Unit 8: Gas Laws	Wednesday Apr. 16	Unit 9: Solns & Acids / Bases
Online Quiz #10	Lab #9: Gas Applications	Online Quiz #11	Lab #9: Gas Applications
Monday Apr. 21	Unit 9: Solns & Acids / Bases	Wednesday Apr. 23	Unit 9: Solns & Acids / Bases
Online Quiz #11	Lab #10: Titrations	In Class Group Quiz	Lab #10: Titrations
Monday Apr. 28	Test 3: Units 7, 8, 9		
No Online Quiz	No Lab		