

Summer 2009 Chemistry 151 with Dr. Michael A. Russell

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Office Hours By Appointment only 12-1 MTW

Required Materials:

Introduction to Chemical Principles by H. Stephen Stoker (9th Ed. 978-0-13-237994-6)

Chemistry 151 Lab Manual

Graphing calculator (such as the TI-82, TI-83, TI-89, etc.)

Scantron Sheets for exams (50 Questions on **each** side)

Safety goggles for lab

Course Description: CH 151 is a basic course designed for students who want to take the CH 221/222/223 sequence but lack sufficient math and/or chemistry background. This one-term course includes mathematical applications appropriate for the first term of the above chemistry sequence, as well as an introduction to classification of matter, atomic theory, stoichiometry and nomenclature.

Co-requisite: Math 95 or higher.

Course Philosophy: To be successful, students enrolled in this summer accelerated chemistry course should complete all assignments before coming to class, attend classes regularly, participate in discussions, and think critically to discover the fundamental theories inherent to this course. All homework assignments represent the *minimum* requirement for understanding the principles of chemistry. It is assumed that A and B students will perform enough *unassigned* exercises to master the concepts.

I encourage questions in this class. If you contact me by email, I will respond to you normally within 24 hours; phone messages will be responded to the next time I am in my office.

The Honor Principle: All students will be expected to behave with the highest moral and academic integrity while enrolled in this class. Plagiarism, cheating or sharing information on tests or laboratory reports, disruptive behavior, and other related offenses will be dealt with according to the directives stated in the current *Mt. Hood Community College Student Guide*.

Grading:	Midterm Exam	130 points
	Quizzes (5 total, lowest quiz dropped, 20 points each)	80 points
	Final Exam	200 points
	Problem sets (5 total, 10 points each)	50 points
	Seven lab experiments (20 points each)	<u>140 points</u>
	Total points:	600 points

Note on the Lab Experiments: You must turn in at least six of the seven lab reports to pass the class. **This means that if you miss two labs, you will automatically fail the class.**

There will be **no make-up labs, quizzes or exams; if you miss, you will receive a zero for any assignments due during that class period.**

Tentative grading distribution:

A: 90-100%

B: 80-89%

C: 65-79%

D: 50-64%

F: less than 50%

Problem Sets: Problem sets are to be completed before recitation begins. Problems should include your name, the problem assignment, the setup for the problem (with units), and a circled final answer. We will correct the problems in class; use a different colored pen to self-correct your assignment, and include all corrections as necessary. Your **problem set grade** will be one of four possibilities: a check plus (10 points, indicates completion of the assignment with *most* of the answers correct), a check (7 points, indicates partial or total completion of the assignment with *some* answers correct), a check minus (3 points, indicates an incomplete assignment) and a zero for assignments not turned in. Late assignments are worth a maximum of three points.

In the **Laboratory**, chemistry safety goggles must be worn at all times. The balance room must be kept clean at all times; the equipment is expensive and easy to damage, and a messy balance may result in a class point penalty.

Late Lab Reports and Late Problem Sets must be turned in within one week of the scheduled due date. Labs and homework turned in up to one week late are worth half credit; no credit will be given after one week.