

**CHE151 GENERAL COLLEGE CHEMISTRY I - COURSE INFORMATION SHEET
SPRING 2012**

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II. Textbooks:

Required:

Principles of General Chemistry 2nd ed. by Martin S. Silberberg; McGraw Hill

Chemistry 151 Class Lecture Note, By Sherman Henzel

Chemistry 151 Laboratory Manual, J. Kuemple & L. Tien.

Safety Goggles

Scientific Calculator

III. Course Goal:

To begin the study of chemistry. Topics that will be covered are, matter, chemical formulas and equations, gases, thermochemistry, Quantum theory, Chemical Periodicity, bonding, molecular shapes, intermolecular forces, as well as, topics in descriptive chemistry.

IV. Attendance Policy:

Attendance at all classes and laboratories are mandatory. More than three absences may result in withdrawal from the course or a failing grade.

V. Examination and Grading Policy:

There will be frequent graded home problem sets worth 10 points each. These problem sets will be given out at the end of class or lab and will be due at the next class period or lab period **BEFORE CLASS OR LAB BEGINS. The four lowest problem set grades will be dropped.** There will be five hourly exams worth 100 points each. Laboratory material will appear on these exams. In order to be given credit for these lab questions you must attend and finish all labs. In addition, prelab assignments will be handed in before each lab. These prelab assignments along with labs that will be handed will be graded and will make up the lab grade (10 points each). There will be a final exam that will be worth 100 points. The final exam is comprehensive. **The lowest of the first five exam grades will be dropped. The final can not be dropped. If you miss the final, you will be given a zero for the final and the lowest of the first five tests will be dropped. The four lowest take home problem sets will be dropped. Laboratory grades are not dropped.**

YOU WILL NOT BE PERMITTED TO MAKE UP A MISSED PROBLEM SET, LAB OR EXAM

To compute your final grade add the following: exam grades (lowest of first five dropped), lab grades (no drops), and quiz grades (four lowest dropped). Divide this number by the total number of possible points and multiply by 100. The result is your course average. 90% and above is an A; 87% to 89% is an A-; 83% to 86% is a B+; 80% to 82% is a B; 77% to 79% is a B-; 73% to 76% is a C+; 70% to 72% is a C; 67% to 69% is a C-; 63% to 66 % is a D+; 60% to 62% is a D; 57% to 59% is a D-; 0% to 56% is an F.

VI. Course Teaching Method:

Lecture notes will be provided. The lecture will focus on problem solving and in providing you with the tools that will enable you to work through chemical problems on your own. But this will require a great deal of work on your part. The course schedule gives you the reading and problem assignments. The reading assignment is to be done before the next class. Problems should be completed as soon as possible after the lecture. If you are having trouble with a problem, you should seek me out during one of my office hours. These hours are provided on my class schedule (see last page of this course information sheet).

Learning requires hard work. I will work hard to provide you with the tools necessary to be successful in learning chemistry, but I can not learn for you. You must work hard to complete and understand the reading and problem assignments. It will not be easy, but it will be rewarding. You will, perhaps, work harder than you have ever worked for any other course. If you are willing to put this work into learning chemistry, you will succeed in mastering the subject and in achieving a high grade.

VII. Lecture Outline:

<u>Chapter</u>	<u>Topic</u>
1	Keys to the Study of Chemistry
2	The Components of Matter
3	Stoichiometry of Formulas and Equations
4	The Major Classes of Chemical Reactions
5	Gases and the Kinetic-Molecular Theory
6	Thermochemistry: Energy Flow and Chemical Change
7	Quantum Theory and Atomic Structure
8	Electron Configuration and Chemical Periodicity
9	Models of Chemical Bonding
10	The Shapes of Molecules
11	Theories of Covalent Bonding
12	Intermolecular Forces: Liquids, Solids, and Phase Changes

VIII. Take Home Problem Sets:

The purpose of the Problems sets is to provide you with the means to keep up with the course work and apply your problem solving skills learned in the classroom. It is important that these assignments be done and handed in on time. They are not busy work and they are not to be completed thoughtlessly. As such the following rules apply.

1. Problem sets are due BEFORE the start of class. Late problem sets will not be accepted.
2. If you are late to class, the problem set is late and will not be accepted.
3. If you know you will be late, you can e-mail me your answers or phone your answers in to my office with the serial number (Serial# 22011####) and Problem number; **before class begins**. The problem set must be handed in to be graded.
4. All quizzes are unique no two are alike. Do not copy another students quiz. Duplicate Serial # quizzes will not be graded.

IX. Laboratory Notebooks:

1. Before leaving the lab, your notebook must be checked and signed by me.
2. Prelab assignments must be handed in before the lab begins. Late assignments will not be accepted.
3. Labs that are to be handed in will be announced in the lab.

X. ID Number:

Your ID number for grades posted on the web site is your Banner ID number (M00... number).

XI. Learning Centers:

Monroe Community College has a number of Learning Centers at Brighton (for example, Accounting, Math, Nursing, Psychology, Writing, the Electronic Learning Center, etc.) and at Damon (for example, the Integrated Learning Center, the Electronic Learning Center, and the Legal Learning Resource Center).

Learning Centers are staffed with instructional personnel and may be equipped with computers to assist students. It is recommended that students use these Learning Centers to get additional assistance with concepts learned in the classroom.

A brochure with details on Learning Centers is available: Bldg. 11, Room 106.

In addition there is a Science Learning Center. Check the schedule on the door for hours.

The best way to get help is to see me during my office hours.

XII. Emergency Closings:

If the College is closed due to inclement weather or some other emergency, all Rochester area radio and television stations will be notified no later than 5:30 a.m. In addition, the homepage on the MCC website (www.monroecc.edu) will display a message indicating the College is closed. Please do not call the College to avoid overloading the telephone lines.

Class cancellation information is available daily on the web or through the telephone. Simply go to the MCC website (www.monroecc.edu) and under the “Quick Links” window on the homepage, click on “Class Cancellations”. Additionally, class cancellation information is available by dialing 292-2066, press “1” for the Brighton Campus and “2” for the Damon Campus. If possible, please use the web as there could be delays in the voice recordings based on the number of cancellations.

XIII. Cheating:

See 2010/2011 MCC Catalog and Student Handbook page 247-248. The penalty for cheating on any assignment or exam will be a grade of zero (F) on that assignment or exam.

**PLEASE TURN OFF ALL WATCH ALARMS AND CELL PHONES - THEY
DISRUPT THE LECTURE.**