

# Syllabus

## General Chemistry I

CHE 120-N03

Spring, 2005

|                     |   |
|---------------------|---|
| <b>Time</b>         | 10:50 – 12:05 TR  |
| <b>Place</b>        | SC 308  |
| <b>Instructor</b>   | William R. Oliver<br>SC 449<br>572-5711<br><a href="mailto:oliver@nku.edu">oliver@nku.edu</a>   |
| <b>Office Hours</b> | W, 9:00 – 11:30; R, 1:30 – 4:00<br>Other times as available or by appointment.  |
| <b>Prerequisite</b> | High school chemistry or CHE 110 or equivalent<br>N. B. <i>The topics in Chapter One of the text should be familiar to you. If they are not, you may want to reconsider whether you have sufficient preparation for this course.</i>  |
| <b>Text</b>         | Chemistry, The Molecular Science, 2d edition, by Moore, Stanitski, and Jurs   |
| <b>Attendance</b>   | Attendance will not usually be taken. Students are responsible for all information, material, and assignments presented in class.   |
| <b>OWL</b>          | OWL (Online Web-based Learning) is a website administered by Thomson Learning to assist you in understanding the material in the text. You will learn to log on to OWL in your laboratory section; if you are not enrolled in lab, an instruction sheet will be provided. Dates available for completing OWL assignments are found in the OWL assignments page. Completing OWL assignments will enhance your course grade in the following ways: you will reach a clearer understanding of the material, credit will be given for assignment completion, and some questions for quizzes and exams will come from the OWL assignments. |
| <b>Assignments</b>  | Problems from the text will be assigned for each chapter, some of which may appear in OWL; some may not. No homework, other than the OWL assignments, will be collected; answers may be found in the Study Guide. <b>STUDENTS WHO EXPECT TO EXCELL IN THIS CLASS WILL WORK AND UNDERSTAND ALL ASSIGNED PROBLEMS, INCLUDING THOSE IN OWL.</b>  |

**Honor Code** Students are expected to conform to the Student Honor Code, which may be found in the Student Handbook or online at the Dean of Students' web page.

### Schedule

|  |           |
|--|-----------|
| The Nature of Chemistry                        | Chapter 1 |
| Atoms and Elements                             | 2         |
| Chemical Compounds                             | 3         |
| <b>Exam 1</b>                                  |           |
| Quantities of Reactants and Products           | 4         |
| Chemical Reactions                             | 5         |
| Energy and Chemical Reactions                  | 6         |
| <b>Exam 2</b>                                  |           |
| Electron Configurations and the Periodic Table | 7         |
| Covalent Bonding                               | 8         |
| Molecular Structures                           | 9         |
| <b>Exam 3</b>                                  |           |
| Gases and the Atmosphere                       | 10        |

**Final Exam** (*Comprehensive*, Chapters 1-10)  
**Thursday, May 5, 10:10 – 12:10 a.m.**

**Exams** In addition to the three 100 point one-hour exams, 6 or 7 unannounced 10-minute quizzes will be given. Each quiz will be worth 10 points; the best five will be added to your record from OWL to give a score equivalent to a one-hour exam (100 points possible) Quizzes will be at the beginning or end of a class period. A quiz missed for any reason will be graded zero. The lowest score of the one-hour exams (or the quiz grades) will be dropped when computing the final grade. *A one-hour exam missed for any reason will be the dropped score.* The final comprehensive exam, which cannot be a dropped score, will count the same as a one-hour exam. In summary, there will be 400 points possible for your final grade – 100 from the final, plus 100 each from three final exams and the quizzes (with one of these scores dropped).

**Grading** Your grade will be determined by your exam scores. The curve for each exam will be announced when it is returned.

**Calculators** A calculator will be necessary for working problems and taking exams. Programmable calculators cannot be used for exams, nor can calculators be passed from one student to another during an exam. It is the students' responsibility to insure that his/her calculator has fresh batteries and is working during an exam.

|                        |            |                                    |
|------------------------|------------|------------------------------------|
| <b>Important Dates</b> | Jan 11     | First day of class                 |
|                        | Jan 29     | Last day to drop with no record    |
|                        | Mar 7 - 12 | Spring Break                       |
|                        | Mar 28     | Last day to drop with a grade of W |
|                        | May 5      | Final Exam, 10:10 a.m              |

**N.B.** *All items on this syllabus are subject to change by the instructor.*

*No cell phones or pagers will ring during the class.*

*Students are responsible for understanding and carrying out the policies enumerated on this syllabus. Any questions about the syllabus should be directed to the instructor during the first week of class.*

*The instructor has the absolute right to dismiss a disruptive student from the class.*