

Introduction to Chemistry

CHE 102 – 001

Spring 2007

M, W, F 11:00-11:50, SC 308

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Office Hours:

TBA

Required Text:

Introductory Chemistry, Tro. Second Edition, Prentice Hall

Course Description Chemistry 102 is a class for students who did not study chemistry in high school or are not prepared for Chemistry 115 (Physiological Chemistry) or Chemistry 120 (General Chemistry I). Selected essential topics in chemistry, including solutions, reactions, stoichiometry and properties of solids, liquids and gases will be investigated.

Student Learning Outcomes:

At the end of the course students will:

- Demonstrate the use of unit analysis in the solving of chemical based story problems
- Describe basic types of chemical reactions and their products
- Exhibit understanding in the basic use of mathematics and the concepts such as moles to comprehend chemical interactions

Chemistry 102 is NOT a general education course.

This is a web enhance course. Students meet regularly scheduled class time and will need access to the internet to fulfill course requirements.

Course Calendar: Important dates are found on the class calendar which is on the third page of the syllabus.

Attendance: Attendance is required for this course. To assure that this is completed two methods will be employed. The first is short unannounced quizzes will be given where no make-up quizzes will be given for any reason. Second a question will be asked of a random pre-selected student at the beginning of most classes. If your name is selected three things can happen. First if you are present and answer the question correctly you will received 1% extra credit on your final grade. If you are present but do not answer correctly you will stay at the 3% awarded for attendance only. If you are absent then your attendance grade will drop 1% from 3% to 2% etc. gained for the term. This system will be repeated if your name is chosen multiple times. Due to the possibility of multiple questions to the same student the range of credit will be from 0 to 6% (3% extra credit will be maximum) for attendance.

Assigned Readings: Assigned reading may be assigned throughout the semester and should be completed before the next class meeting. At the beginning of lectures the instructor may ask questions concerning the assigned readings to insure they are completed as suggested and understood. Be sure to stay about half a chapter ahead of the current lecture as that is normally about the amount that will be covered in a lecture.

Homework: Along with suggested problems homework problems will be handed out during the course. These problems are designed to help ensure your understanding of the material presented in the lecture and prepare you from the exams. The questions will be asked and graded through the blackboard system so you will be required to have access to this system. Along with the blackboard submission the students will hand in the mathematic work on a separate sheet of paper in class. These will be due at the beginning of class on the due date or shortly there after. If you miss a lecture where homework is assigned it is your responsibility to find out the homework assignment from other students and the due date. The reason for the homework given online is two fold, first this allows multiple attempts at the homework and feedback to the questions and second it stops students from simply copying from each other before class on the due date. Expect a short homework set for each chapter covered.

Quizzes: Short in-class quizzes will be given throughout the semester. These quizzes may be announced or unannounced to address student's preparedness for lecture and the understanding of the course material. Make up quizzes will not be given though the single lowest quiz score for the term will be dropped.

Exams and Grading: There will be 4 exams and a Final Exam during the semester. The final exam will be cumulative. **No make up exams will be given.** A student missing an exam must notify the instructor in advance if at all possible. On the instructor's discretion, the student may then use the final exam score to count for one exam. This policy only applies to a maximum of one exam.

Percentages used in Final Grade:

| | |
|------------|------------------|
| Homework | 13.5 % |
| Quizzes | 13.5 % |
| Exams | 54 % (13.5% * 4) |
| Final | 16 % |
| Attendance | 3 % |

Final Exam (Comprehensive)

See final schedule for your sections exam date and time

Calculators: During the semester some calculations will be necessary, so each student should have a **nonprogrammable** scientific calculator with them each day (programmable calculators and cell phone calculators will not be allowed during quizzes and exams).

The attached schedule is very tentative and therefore will be adjusted as the instructor sees fit throughout the semester. Any changes will be announced in class so if you miss class be sure to find out the changes either through the professor or another student.

Not all material in each chapter will be covered. Sections to be omitted will be announced at the beginning of each chapter. Though a section is omitted it may help in your understanding and interest, so don't be afraid to read these sections also. Readings from other chapters in the text or other sources may also be required as seen fit.

Honor Code: Students are expected to conform to the Student Honor Code (<http://www.nku.edu/~deanstudents/HonorCode.htm>). Academic dishonesty in this class will result in dismissal from the class and an F in the course.

Students with disabilities who require accommodations (academic adjustments, auxiliary aids or services) for this course must register with the Disability Services Office. Please contact the Disability Service Office immediately in the University Center, Suite 320 or call 859-572-6373 for more information. Verification of your disability is required in the Disability Services Office for you to receive reasonable academic accommodations. Visit the Disability Services website at www.nku.edu/~disability/.

All items on this syllabus are subject to change by the instructor though will be discussed during the course. Any questions or concerns about the syllabus should be brought to the attention of the instructor within a week of the beginning of the class.

No cell phones or pagers will ring or be used in the class. Also no use of tobacco products is allowed in the classroom.

Students are required to read and understand the contents of this syllabus. Any questions must be brought to the instructor's attention by the end of the first week of the course.