

CHE 100-11L
CHEMISTRY AND SOCIETY LAB
Fall 2004 M 1-2:40 Room 464

Instructor: Ms. Gini Vance

Office: 441

Phone: 572-6669

Office hours: M 12:45-1, 2:45-3 Other hours are available by appointment

Email: vancev@nku.edu

Text: "CHEMISTRY AND SOCIETY LABORATORY MANUAL"

Equipment: Safety Goggles (OSHA approved ansi Z.87)

Course Objectives:

This lab course allows the student a chance to experience chemistry in everyday life. The scientific process and the chemical properties of compounds and consumer products will be explored first hand.

Course Requirements:

1. Students are required to attend all scheduled labs. **There are no make-up labs.** If you miss a lab and/or quiz a grade of zero will be given. One lab grade will be dropped. **You are still responsible for the missed lab material on the test.**
2. Safety glasses will be worn, correctly, at all times in the lab. You will not wear sandals to lab. Food and drink are not allowed in the lab. These and other safety procedures (including proper disposal of waste), along with upkeep of the lab area will comprise a substantial portion of your grade. Failure to follow procedures will result in my requesting you leave the lab and a zero for that lab. Students who repeatedly fail to follow policy will be withdrawn from lab.
3. Prelabs will be completed prior to lab. Incomplete prelabs will result in a substantial deduction on that day's lab. Students are expected to read the lab and do the additional reading before coming to the lab.
4. Unannounced quizzes will be given periodically. If you are late, no extra time will be given.
5. Lab write-ups are due at the end of the lab period. A 10% deduction per day will be imposed for late lab write-ups. Incomplete write-ups (missing pages, graphs, etc.) or write-ups greater than one week late will not be graded.
6. All written work must be legible and grammatically correct. A zero will be given to anything I can not read.
7. You may work together to complete the lab assignments. However, you are expected to turn in your own not an identical copy of someone else's work.
8. There will be **no** make-up tests given.
9. All students are expected to follow the Student Honor Code. See the website at <http://www.nku.edu/~deanstudents/HonorCode.htm>

Laboratory Schedule:

<u>Date</u>	<u>Experiment</u>	<u>Additional Reading</u>
8/23	Exp. 1 – Measurements	pgs. 6-8,10,15,17-19
8/30	Exp. 2 – Properties of Substances	pgs. 8, 14
9/6	Labor Day – No Class	
9/13	Exp. 5 – Emission Spectra	
9/20	Exp. 3 – Separation and Purification	pgs. 13, 14, 16
9/27	Exp. 11 – Nuclear Chemistry	Appendix B and C
10/4	Exp. 7 – Special Reactions	pg. 13
10/11	Mid-Term	
10/18	Fall Break – No Class	
10/25	Exp. 10 –Chemical Analysis of Cations	
11/1	Exp. 4- Observations and the Scientific Method	pgs. 9-10
11/8	Exp. 6 – Acids and Bases	
11/15	Exp. 12 – Synthesis of Dye	
11/22	Exp. 8 - Synthesis of Aspirin/Oil of Wintergreen	
11/29	Exp. 9 – Synthesis of Macromolecules	
12/6	Final Exam	

For exp. 3, students may do a T-shirt for extra credit. For exp. 11, appendix C will be due at the beginning of lab.

Grading Scale

Each pre-lab and experiment is worth 50 pts. The experiments are 70% of the grade and each test is 15% each.

A	90.00 - 100
B	80.00 – 89.99
C	70.00 – 79.99
D	60.00 – 69.99
F	< 60.00

Any items on this syllabus that you do not understand must be brought to my attention within the first two weeks of class. All items are subject to change at the discretion of the instructor.

All pagers and cell phones must be turned off during lab or you will be asked to leave.

Important Dates:

Sep. 11 Last day to drop without a grade appearing on transcript

Oct 11 Faculty begins submitting mid-term grades for freshman

Oct 30 Last day to drop with a W