

CHE 100-13L
CHEMISTRY AND SOCIETY LAB
SPRING 20034 Wed. 11:00 - 1240 ROOM 464 SC

Co-requisite: CHE 100 Lecture

Instructor: Ms. Joann Rose
Office: 445 NS
Phone: 572-5407 or 572-6667

Office Hours: Th 2:30-4:30
E-mail: Rosej@nku.edu

Text: "CHEMISTRY AND SOCIETY LABORATORY MANUAL"

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

TENTATIVE LABORATORY SCHEDULE

EXPERIMENT	TEXT	DATE
CHECK-IN		1/14
Measurements	Exp. 1	1/21
Emission Spectra	Exp. 5	1/28
Properties of Substances	Exp. 2	2/4
Separation & Purification	Exp. 3	2/11
Special Reactions	Exp. 7	2/18
Nuclear Chemistry	Exp. 11	2/25
Mid-Term		3/3
SPRING BREAK		3/10
Chemical Analysis of Cations	Exp. 10	3/17
Observations & Scientific Method	Exp. 4	3/24
<u>Acids & Bases</u>	<u>Exp. 6</u>	3/31
Synthesis of Aspirin	Exp. 8	4/7
Synthesis of Macromolecules	Exp. 9	4/14
Dye	Exp. 12	4/21
Final Exam		4/28

COURSE OBJECTIVES:

A chance to experience the application of chemistry in everyday life. You will test the acidity of household products; learn which metal salts provide the colors in fireworks; and learn how household products are prepared, such as aspirin and plastics.

LAB GRADE:

EACH LAB IS WORTH 50 POINTS. 50 PTS X 12 LABS = 600 POINTS
(10 / PRELAB + 40 / DATA SHEET)

EACH TEST IS WORTH 200 POINTS 200 PTS X 2 = 400 POINTS
TOTAL = 1000 POINTS

1 POINT DEDUCTED FOR EACH: GRAMMAR MISTAKE, SPELLING MISTAKE OR LACK OF APPROPRIATE UNITS.

A = 900 - 1000 POINTS THIS IS EQUIVALENT TO 45 PTS ON EACH LAB & 180 PTS/ TEST
B = 800 - 899 POINTS THIS IS EQUIVALENT TO 40 PTS ON EACH LAB & 160 PTS/ TEST
C = 700 - 799 POINTS THIS IS EQUIVALENT TO 35 PTS ON EACH LAB & 140 PTS/ TEST
D = 600 - 699 POINTS THIS IS EQUIVALENT TO 30 PTS ON EACH LAB & 120 PTS/ TEST

GENERAL COURSE POLICIES:

1) THERE ARE **NO** MAKE-UP LABS. IF YOU MISS A LAB AND/OR A QUIZ A GRADE OF ZERO WILL BE GIVEN. **YOU ARE RESPONSIBLE FOR THE MISSED LAB MATERIAL ON THE TEST.** IT IS TO YOUR ADVANTAGE, OBVIOUSLY, TO ATTEND **EVERY** LAB! IN THE PAST, STUDENTS WHO MISSED A LAB DID NOT DO AS WELL WITH THAT PART OF THE TEST.

2) YOU ARE RESPONSIBLE FOR KNOWING AND FOLLOWING THE SAFETY PROCEDURES DISTRIBUTED DURING CHECK-IN, (THE DEPARTMENT'S FORM) ACKNOWLEDGING ACCEPTANCE, WHICH YOU SIGNED AND DATED.

3) **YOU MAY NOT WEAR SANDALS OR SHORTS TO THE LAB BY THE BEGINNING OF SECOND LAB CLASS YOU MUST WEAR APPROVED SAFETY GOGGLES DURING ALL LABS,** UNLESS INSTRUCTOR INFORMS YOU OTHERWISE AT THE BEGINNING OF LAB. FAILURE TO WEAR APPROPRIATE ATTIRE WILL RESULT IN YOUR NOT BEING ABLE TO PARTICIPATE IN THE LAB FOR THAT PERIOD .

4) **NO** DRINKS ARE ALLOWED IN LAB.

5) A PRELAB MUST BE WRITTEN BEFORE EACH LAB. THE PRELAB SHEET PROVIDED FOR THE FIRST EXPERIMENT DEMONSTRATES THE STYLE OF WRITING REQUIRED. **THIS PRELAB SHEET IS YOUR PREPARATION FOR LAB AND IS WORTH 10 POINTS OF THE 50 POINTS ASSIGNED TO EACH EXPERIMENT. IT MUST BE READY AT THE BEGINNING OF EACH LAB EXPERIMENT, INITIALED BY THE INSTRUCTOR. IT WILL BE STAPLED TO YOUR DATA SHEET AT THE END OF THE LAB PERIOD .**

DATA SHEETS PROVIDED IN THE LAB MANUAL ARE **TO BE COMPLETED DURING THE LAB AND TURNED IN BEFORE YOU LEAVE.** THIS RESULTS IN LESS HOMEWORK FOR YOU AND PAPERS RETURNED WITHIN A MORE REASONABLE TIME OF COMPLETION.

6) NEATNESS COUNTS!!! IF I CANNOT READ YOUR DATA SHEET, IT CANNOT BE GRADED.

7) YOUR GRADE WILL DEPEND ON **GRAMMAR, SPELLING AND THE USE OF APPROPRIATE UNITS,** (UNITS ARE grams - g, or milliliters - mL., or centimeters - cm). NUMBERS WITHOUT UNITS MEAN NOTHING.

8) STUDENTS ARE **RESPONSIBLE FOR READING AND UNDERSTANDING ALL ITEMS ON THIS SYLLABUS.** ANY ITEMS NOT UNDERSTOOD MUST BE BROUGHT TO THE ATTENTION OF THE INSTRUCTOR BY WEDNESDAY OF THE SECOND WEEK.

9) IF YOU CANNOT COME TO ASK QUESTIONS DURING THE OFFICE HOURS LISTED, IT IS POSSIBLE TO EMAIL ANY QUESTIONS.

10) IT IS EXPECTED THAT EACH STUDENT ENTER THE LAB HAVING READ THE EXPERIMENT AND BE PREPARED TO ANSWER QUESTIONS. AN UNANNOUNCED QUIZ MAY BE GIVEN AND GRADED. **BE SURE YOU FOLLOW THE SYLLABUS AND READ THE CORRECT LAB. THE LABS ARE NOT PERFORMED IN THE ORDER FOUND IN THE MANUAL.** IT IS RECOMMENDED THAT YOU USE A LOOSE LEAF BINDER AND **REARRANGE THE EXPERIMENTS** IN THE ORDER OF THE SYLLABUS.

11) IF YOU ARE ABSENT THE DAY OF THE MID-TERM TEST OR THE FINAL EXAM, YOU WILL HAVE **UNTIL MONDAY AT 2:00** TO TAKE IT. HOWEVER, **10 POINTS** WILL BE **DEDUCTED FOR EACH DAY** AFTER WEDNESDAY, (THAT MEANS: WEDNESDAY AT 2 PM DEDUCT 10 POINTS, THURSDAY AT 2 PM DEDUCT 20 POINTS AND FRIDAY AT 2 PM DEDUCT 30 POINTS; AFTER 2 PM ON MONDAY NO TEST WILL BE GIVEN), UNLESS A DOCTOR'S EXCUSE IS PRESENTED BY THE THURSDAY AFTER THE TEST DAY. IT IS NOT FAIR TO THE REST OF THE CLASS WHO STUDIED AND TOOK THE TEST ON TIME.