This course is offered for Liberal Arts and Business students who are seeking Experience in a laboratory science. It is also a prerequisite for students seeking to complete the requirements in the Fire Science or Dental Hygiene Programs. Other students who have their own purpose for taking this course are also welcome.

Our plan for the semester is to acquire a working knowledge of the fundamental chemical concepts which form the basis for a consideration of a number of topics which have implications for us as consumers and environmentally aware members of our society.

Each week we will cover at least one chapter with an appropriate laboratory experience. The course will finish with a comprehensive coverage of some special topics of interest to the class.

This course has both a lecture and laboratory portion and as a result students will be expected to perform in a competent manner in both components. College students should expect to spend about two hours of preparation and study for each hour of lecture per week. Each laboratory experiment will require a minimum of two hours for preparation and report writing. The total time commitment for this course would be a minimum of fifteen hours a week, including attendance for the lecture and laboratory.

In addition to attending the lecture and taking notes, there will be reading and writing assignments using the textbook as well as other sources.

COURSE MANAGEMENT AND GRADING
1. Each lecture will begin with a review of assigned questions and a collection of assignments.
2. Assignments will be given for almost every class period. These will include quizzes, exercises from the text, news reports and film reviews. Everything except the text exercises will be collected and graded. The lowest grade(s) will be dropped. Many of the assignments will be conducted in a collaborative style, that is, small groups of students will work together on these exercises. Some but not all homework assignments are done using computer based exercises which are self-grading.
3. Lab reports will be turned in to the laboratory instructor as stated in the directions for the laboratory portion of the course. The lowest grade(s) will be dropped.
4. Two class examinations (given in the third and sixth week) and one comprehensive final examination (given during the last class) will be required. They will contain both essay and objective questions.
5. A term paper (five pages of text) using MLA format will be required. Topics should be approved by mid-semester. There are alternative ways to satisfy this requirement.

GRADE DISTRIBUTION
1. two classroom examinations @ 125=250
2. Final Examination @ 150=150
3. Experiments (12 best) @ 20=240
4. Assignments & quizzes =200
5. term paper @ 100 =100
6. A & E =60

1000
FINAL GRADE = 1000 / 10
ASSIGNMENTS
We will cover most of the first fourteen chapters in order as well as the appropriate appendices. When we have finished those chapters we will choose from the remaining chapters according to the interests of the class. For each chapter ALL students will complete the chapter examples, self-tests and matching set(s) as well as the assigned questions and problems. These assignments will be kept in the student’s notebooks and will not be turned in.