

Dr. Phillip H. Davis
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Office Hours: 9:00-10:00 MWF
and by appointment

SUPPLIES

Chemistry, 7th ed, Zumdahl and Zumdahl
Experiments for General Chemistry (17th ed.), Davis, Harmon and Hartshorn
Chem Skill Builder 3000 (Electronic homework system)
Texas Instruments graphing calculator (TI-83+/TI-83+SE or TI-84+/TI-84+SE)
Laboratory Safety Glasses (keep in your lab locker)
NO ONE PERMITTED IN LAB WITHOUT SAFETY GLASSES

ORGANIZATION

3 hrs. lecture, 3 hrs. laboratory (generally not same instructor)
single grade for combined course (assigned by lecture instructor)

Grading scale: **A** 85 and above
B 75-84
C 55-74
D 45-54
F 44 and below

Lecture (50%):

weekly quizzes (65%)
8-10 quizzes during semester
30 minutes: 5-7 problems/questions; 25 points
problems/questions similar (some identical) to homework
no make-up; lowest score dropped (**3 or more missed quizzes = F**)
key posted after quizzes returned
homework--not in text (20%)
midterm exam--comprehensive of first half of semester (15%): **Wednesday, March 4, 7:00-9:00 p.m.**

Final Examination (25%):

Friday, May 1, 3:00-5:00 p.m.
American Chemical Society standardized exam
covers the entire year's work (both lecture and laboratory) in general chemistry
Common to all sections
Multiple choice format

Laboratory (25%):

YOU MUST SATISFACTORILY COMPLETE THE LABORATORY IN ORDER TO PASS CHEM 122
Lab schedule posted on Chemistry Department website (Click on General Chemistry (121-122) link)
(read exercises and do homework **before** coming to class).

HOW TO STUDY CHEMISTRY

READ CHAPTER (provides an overview, will discover which parts difficult)
ATTEND LECTURE (combine lecture notes with reading notes to produce study notes)
DO HOMEWORK (write out answers even if not to be turned in, treat as self test)
Lectures and assigned homework provide guidance as to which topics are most important.
REVIEW (be sure you can meet the stated objectives; use old tests as practice; ask questions if you still don't understand)

STUDY AIDS

Learning objectives (provided for each unit — also posted on Chemistry Department website)
Homework (provides guide to topics felt most important, provides practice)
Homework solutions (posted)
Keys to quizzes from previous years (posted)
Keys to current quizzes (posted after papers returned)
Chemistry Help Lab (hours will be posted)
Chemistry Department website (<http://www.utm.edu/chemistry>)

IT IS ESPECIALLY IMPORTANT IN CHEMISTRY THAT YOU NOT ALLOW YOURSELF TO GET BEHIND. STUDY ON A REGULAR BASIS. THE FORMATION OF STUDY GROUPS IS STRONGLY ENCOURAGED. IF YOU ARE HAVING DIFFICULTY WITH A PARTICULAR TOPIC, GET HELP IMMEDIATELY.

SOME TIME DURING THE LAST WEEK OF THE SEMESTER WILL BE DEVOTED TO A REVIEW OF THE YEAR'S WORK IN PREPARATION FOR THE FINAL EXAM; HOWEVER, YOU SHOULD BEGIN YOUR OWN PROGRAM OF SYSTEMATIC REVIEW EVEN EARLIER IN THE TERM.