DEPARTMENT: CHEMISTRY

COURSE #: CHM 1045, 1 credits
COURSE TITLE: General Chemistry I

TYPE COURSE: Required
TERMS OFFERED: Fall, Spring, Summer

CATALOG DESCRIPTION:
Introduction to chemical laboratory. Topics include stoichiometry, atomic spectra, gases, and acids and bases.

PREREQUISITES:

COREQUISITES:
CHM 1045, General Chemistry I

Syllabus CHM 1045
Spring 2008
Sections 31-36
Room 255, Fisher Lecture Hall

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CHM 1045 is the first course in a sequence of general chemistry courses designed for science majors, engineering, pre-med, etc., and for those wishing to take a rigorous sequence of courses to satisfy the natural science requirement for liberal studies.

TEXTBOOK: The required textbook for this course is “Chemistry & Chemical Reactivity”, 6th Edition, by Kotz, Treichel and Weaver. We will be covering Chapters 1-9 and 12 in this course.

OFFICE HOURS: Mon 1:30-3:30 and Wed 10:00-11:30 and by appointment

RECITATION: Recitation is on Thursday in 219 HTL at a time determined by the section you are enrolled in. Attendance at recitation is mandatory as it represents an important part of the course.

LECTURE 1:25-2:15 pm MWF in FLH 255.

COURSE MATERIAL: There is a Blackboard web site devoted to the course, which can be accessed at:

http://campus.fsu.edu/

Posted to the web site is are Study Guides, which are essentially an outline of the course that emphasizes the key concepts from the chapter, gives the reading in the chapter that accompanies the lecture and, finally, lists problems from the end of the chapter that are the most relevant. In addition, worked sample exams will also be posted. In addition Blackboard site for the overall course you will also have access to a Blackboard site set up for your specific recitation section and maintained by your recitation TA. This site will contain your grades as they are posted plus any information that your recitation TA decides to post.

Lon-CAPA: You will be expected to complete a series of computer generated problem sets through the LearningOnline Network with Computer Assisted Personalized Approach (Lon-CAPA) system. There will be 10 problem sets, worth 10 points each, for each chapter that we cover in the book. The total score that you achieve out 100 points will be curved and assigned a letter grade at then end of the term. Your Lon-CAPA grade will be the equivalent of one exam. Details about Lon-CAPA will be provided in recitation by your TA and the system will be accessed through the Blackboard site for your section.

HOMEWORK: Working problems are essential for your success in this course. The more you practice the better
you are likely to do. There are no graded homework problems assigned, however, suggested problems that reinforce
the important concepts of each chapter are listed in the Study Guide that is posted on the course web site. The
suggested problems are a good starting point but it is recommended that you work additional problems at the end of
the chapter. If you have difficulty in understanding how a specific problem is worked they should be given to your
recitation instructor to worked during recitation.

HELP: If you are having trouble understanding the material or working the problems there are numerous resources
available to you. Recitation and your recitation instructor (who will have regular office hours) should be consulted
first. I am available during my posted office hours or by appointment. There is also a Help Room in HTL 124 that
is open most of the time (a schedule is posted on the door). In addition, Alpha Chi Sigma, the chemistry honorary
society, holds regular help sessions that will be announced in lecture.

EXAMS: There will be four (4) hour exams, covering approximately three chapters each. Exams will consist of
short answer and numerical problems. You must show your work for the numerical problems and use the correct
number of significant figures in your answers. The tentative exams schedule is:

- Exam I: January 30
- Exam II: February 22
- Exam III: March 19
- Exam IV: April 9

The Final Exam is a Block Exam with the time date and room TBA.

The exams will be worth 100 points each and the final exam is comprehensive and is worth 200 points. The lowest
midterm exam will be dropped. Exams cannot be taken at any time other than the scheduled time and no makeup
exams will be given (if you have to miss an exam then that is the exam that will be dropped).

CALCULATORS: You will need a simple non-programmable scientific calculator for the course. Neither graphing
calculators nor cell phones are allowed on exams: there are no exceptions to this policy.

EXAM GRADING PROTOCOL:

The exams in this course are largely problem solving in nature. In order to receive full credit on a problem it must
be possible to arrive at the right answer by following the logic on your paper. In other words, all steps involved in
arriving at the answer must be explicitly stated. Simply stating the right answer without indicating how it is arrived
at will yield little or no credit. Partial credit will be awarded and its apportionment will be outlined out as
quantitatively as possible on the answer key.

GRADING:

- Lon-CAPA: 100 points
- Exams: 300 points
- Final: 200 points
- Total: 600 points

GRADING SCALE

While we strive to achieve a standard scale of: 90-100 A; 80-90 B; 70-80 C; and below 70 D-F; individual exam
averages may fall below this. In that event the exam are curved to attain this range. Letter grades will be assigned,
after the end of the re-grade period (see below), to individual exams and posted so that you will know exactly how
you are doing after each exam. The Lon-CAPA grade will remain a numerical score until the last exam is
completed.

REGRADE POLICY

Errors can occur in the grading of exams necessitating a re-grade of the exam. Graded exams will generally be
given back in recitation in the week after it was administered. Upon receipt of the exam you have until recitation the
following week to request a re-grade, after that time re-grade requests will not be honored. The recitation instructor
will handle re-grades involving an error in totaling the score. Questions involving oversights in scoring your answer (i.e. you have the right answer but the grader missed it) or apportionment of partial credit will go back to the specific grader of that problem for consideration. Your re-grade request must be accompanied by a detailed description of what problem was graded incorrectly and exactly why. Requests that constitute little more than “fishing expeditions” for more points such as; “shouldn’t I have gotten more partial credit on problems 3, 4 and 6” will not be re-graded.