

CHEM 001
Fall 2008
Molecular Science

Instructor: Prof. John Badding

Office hours: By appointment. Please feel free to stop by my office as well. If I have time at that moment we can talk or else we'll make an appointment.

Office: 120 Chemistry

E-mail: jbadding@pearl.chem.psu.edu

Class weblog: <http://tanzanite.chem.psu.edu/chem001blog/>

Lectures: MWF 10:10-11:00 AM
117 Osmond

Text: *Chemistry for changing times* by Hill, J. W and Kolb, D. K, 11th Edition,
Publishers Prentice Hall, Upper Saddle River, NJ 07458

Tutoring Room Hours: Sun-Thurs 6.30-10.30 PM (exact days will be announced in class)

Welcome to Chem 001, which will explore your world through the eyes of chemistry at the molecular level. We will learn about chemistry at work in your body, the environment, and in the world in which you live. By learning chemistry, you can better understand nature and natural phenomena, make the right choices regarding your health and environment and understand the technological changes taking place around you. This course is intended for non-science majors.

Prerequisite: None. Do not take this in conjunction with Chem 11

Homework:

Weekly homework assignments will be an integral part of the course. Nothing can substitute self-learning. In the past, students who have completed homework assignments have fared better and have a better understanding of the material than students who have not. Homework will be graded and handed back to class. Some homework questions will be representative of examination questions. Homework will be handed to class on Fridays and also collected on Fridays. Late work will not receive any credit.

We will deal with issues related to day to day life. Sometimes you have to work problems that are rigorous and maybe repetitive in order to get a firm grounding in the subject. It is important to attend class to find out which sections of each chapter will be relevant and which will be omitted. We may not always follow the text. Demonstrations

and lectures are designed to enhance your understanding of the course material. Please do not skip lectures.

Grades:

2 Midterm Exams	40%
12 Homework sets	30%
Final Exam	30%

Exams:

There will be 2 midterm exams and a final exam.

All exams will be closed book, closed notes. You should **bring to each examination** your calculator, some #2 pencils, an eraser, and your student I.D. card. If you own a programmable calculator, be warned that examination proctors will be instructed to clear the memories of all such calculators prior to each exam. If you do not want to lose the memory contents, please arrange to bring a different calculator. Also note that the **borrowing of calculators is not allowed during quizzes and examinations**. Therefore, be sure your calculator is fully charged before use, or bring a spare battery.

Academic Integrity is an essential component of your education. The following is quoted from the “PSU Faculty Senate Policies for Students”. “It is the pursuit of scholarly activity free from fraud and deception and is an educational objective of this institution. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students.” All University and Eberly College of Science policies regarding academic integrity/academic dishonesty apply to this course and the students enrolled in this course (<http://www.psu.edu/ufs/policies/>). Refer to the following URL for further details on the academic integrity policies of the Eberly College of Science :

<http://www.science.psu.edu/academic/Integrity/index.html> .

Matters of academic dishonesty will be turned over to the University disciplinary system and may result in the failing of the course.