

CH 221 GENERAL CHEMISTRY

FALL TERM 2008

CRN 15521

GENERAL INFORMATION

INSTRUCTOR: Professor Thomas R. Dyke
Room 183A KLA, 346-4614
tomdyke@oregon.uoregon.edu

CLASS MEETINGS:

Monday	1:00-1:50;	Willamette 100
Wednesday	1:00-1:50;	Willamette 100
Thursday	1:00-1:50;	Columbia 150
Friday	1:00-1:50;	Willamette 100

WEB SITE: <http://blackboard.uoregon.edu> Blackboard should be used to access WebAssign homework, answer keys, course grades and all other course information. This website will give you access to course materials 24 hours a day. We will be using the Internet extensively this term for posting course announcements, lecture notes, review materials and grades, so you must logon to this site at the beginning of the course and check it frequently as the course moves along.

PREREQUISITES: Math 111 co-requisite and high school chemistry.
Concurrent enrollment in the *General Chemistry Laboratory* course (CH 227) is recommended, but not required.

COURSE DESCRIPTION: This is the start of the three-term sequence of university general chemistry. This sequence provides a broad introduction to the field of chemistry and prepares students for further course work in chemistry. The course outline will be based upon the text and will include a study of chemical stoichiometry, thermochemistry; and electronic structure of atoms (see the CH 221 COURSE SCHEDULE for details).

OFFICE HOURS: 15:30 - 16:30 Mondays, 171 Onyx
14:30 - 15:30 Wednesdays, 128 KLAMATH
15:00 - 16:00 Thursdays, 183 KLAMATH (Individual meetings)
Other times by appointment

TEXT and REQUIRED MATERIALS:

CHEMISTRY: The Molecular Nature of Matter and Change, Silberberg, Fifth Edition, McGraw Hill, 2008.

WebAssign access code - available in the UO bookstore (at no charge when purchased with a new text) or over the internet by logging on to WebAssign via the Blackboard web-site.

Non-graphing scientific calculator (see departmental calculator policy below).

ADDITIONAL HELP:

◆ **SUPeR CHEMISTRY Peer Learning Assistants** will be available for extensive periods (to be posted).

◆ **ARIS:** <http://highered.mcgraw-hill.com/classware/infoCenter.do?isbn=0073048593#>

Created by the textbook publisher, this system provides practice quizzes, animations and flashcards. The cost is \$35 for the year. Access to chapters 1 and 5 are free for you to preview. This service is not required nor otherwise referenced in the course.

GRADING: There will be weekly homework assignments, short quizzes, two mid-term exams, and a comprehensive final examination.

Mid-term exam #1, October 23 (Thursday)	25%
Mid-term exam #2, November 13 (Thursday)	25%
Weekly homework assignments	10%
Quizzes	10%
Final Exam; Wednesday, December 10, 3:15 PM	30%

Grades will be awarded on a basis of 90% = A, 78% = B, 62% = C, 50% = D, <50% = F. If circumstances warrant, these cutoffs may be reduced by a few percentage points, but they will not be revised higher. If you have chosen the P/N option, a total score equivalent to at least a C⁻ grade is required to receive a P (pass) grade. A course grade of incomplete (I) will be considered on a case-by-case basis. An incomplete grade is not meant to be a substitute for an undesirable letter grade. One quiz and one homework assignment will be dropped from your overall score (lowest scores dropped).

ACADEMIC DISHONESTY: Academic dishonesty in any form, including plagiarism and fabrication, will not be tolerated. All work submitted in this course must be the work of the student and produced exclusively for this course. The use of source materials (ideas, quotations, and paraphrases) must be properly acknowledged and documented. Additional information about plagiarism including examples can be found at <http://libweb.uoregon.edu/guides/plagiarism/students/>. Any incident of academic dishonesty will result in sanctions ranging from a failing grade on an assignment to failure (grade of F) for the course, usually the latter, and will be noted in student disciplinary records. Additional sanctions may be imposed as described in the Code of Student Conduct.

COURSE POLICIES

Quiz and exam policy:

1. No make-up quizzes or exams will be given. In no instance will an exam be given early. Written requests for alternate testing arrangements due to conflicts with authorized and unavoidable university events must be made during the first two weeks of the term. Documentation must be included with all requests.
2. You must bring #2 pencils and an approved calculator to quizzes and exams.
3. Only approved calculators may be used during quizzes and exams. Sharing of calculators is not allowed.
4. UO Student identification cards must be brought to each quiz or exam and may be requested by the instructor or assisting proctor at any time.
5. The "hat rule" will be enforced during all exams. (All baseball caps or brimmed hats must be removed or turned backwards.)
6. All cell phones and other wireless communication devices must be turned OFF and placed under your seat with your backpack and other belongings. *Use of a cell phone during an exam for ANY reason will be regarded as a violation of academic dishonesty guidelines.*
7. Headphones and unauthorized earpieces must be removed during quizzes and exams.
8. Keep all exam material at your seat – not on the seat next to you. Stow away ALL other personal materials (bags, packs, phones, etc.) under your seat.

Calculator policy:

The UO General Chemistry Committee has adopted a policy whereby only certain models of calculators are allowed in quizzes and examinations. This is to provide a level playing field for all students and preclude devices with communications capabilities.

An inexpensive non-programmable scientific calculator without text storage or graphing capabilities (for example: Casio FX-115MSPlus, TI 30X IIS or TI 30X IIB, HP 10S, or Sharp EL-5XX series) should be brought to all quizzes and exams, even if you're not sure if you will use it. *Calculators will not be provided.* Make sure your calculator is in good working order and that batteries are fresh. If your calculator fails during testing and you have no backup, you'll have to complete the test without it.

The calculator you use should have capabilities for square roots, logarithms, scientific notation operations and a y^x key. Inquiries about the acceptability of calculators must be made in advance of entering the quiz or exam room. It is in your best interest to familiarize yourself with your exam calculator *before* the quiz or exam by using it for homework assignments.

The following types of calculators are NOT approved for use during quizzes and exams:

- graphing calculator
- hand-held or laptop computer
- calculator that requires an outlet
- calculator that makes noises or "talks"
- calculator with a QWERTY (typewriter-like) keypad
- pocket organizer
- electronic writing pad or pen input device
- calculator that communicates with other calculators
- calculator that accepts a "chemistry card"
- cell phone calculator

If it is determined that a student is using an un-approved calculator, the calculator will be confiscated and returned at the end of the exam. The student will be required to complete the examination without a calculator. Following the examination, the instructor may decide to proceed with a charge of cheating under the Code of Student Conduct.

Inclement Weather Policy: In the event that a class must be cancelled due to inclement weather, an announcement will be made on the CH 221 Blackboard web site.

E-mail Policy: The University of Oregon has adopted university email addresses as an official means of communication. It is your responsibility to regularly check your UO email account (uoregon.edu) in order to stay current with course communications.

Email is a very handy method for communicating with people, whether around the world or across campus. In some situations email protocol is not as formal as paper communications. In others, (academics, jobs, etc.) there are some expectations of protocol. I ask that when communicating with me by email, you adhere to the following guidelines:

- The subject line should indicate the course number and the nature and topic of the email.
- Spell correctly and use appropriate punctuation. Standard, relatively formal language should be used. Abusive language will not be tolerated.
- Always sign your messages with first and last name. I won't respond to unsigned messages.
- You may not get an instant response! Be sure to check the blackboard page if you don't get a response.

Tutoring: The Department of Chemistry provides contact information for private tutors, but otherwise does not recommend nor provide tutors. For more information, visit the Chemistry office in room 91 KLA. Academic Learning Services (ALS) offers group tutoring. Call 346-3226 for information.