

Principles of General Chemistry

CHM 1032C, 20121 , Fall 2011

Ref # 350137 : C202/C206(lab) MWF 8:00 – 9:50 am

Ref # 350138: C202/C206(lab) MWF 10:00 – 11:50 am

Instructor: **Stephen Milczanowski**

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Office hours: T: 9-10:20, 4-5, M: 1-3

(tentative) R: 9-10:20, 1-5

web site: **<http://web.fccj.org/~smilczan>**

Course Description:

Corequisite: MAT 1033 or satisfactory score on the placement test. Students will benefit by taking high school algebra or MAT 1033 prior to enrolling in this course. This course is an introduction to the concepts of inorganic chemistry including structures of matter, atomic theory, nomenclature, bonding, acids, bases and introduction to organic chemistry. This course is for students who have had no previous chemistry and plan to major in dental hygiene, medical technology, nursing or health related fields. Six contact hours: four lecture/discussion hours, two laboratory hours.

Required:

- Textbook: Smith, J.; General Organic, and Bio Chemistry, 1st edition McGraw Hill, 2010.
- Scientific calculator that has log, and EE or EXP function keys.
- Safety glasses, lab text (3 hole punched packet), lab notebook, and glass marking pen (Sharpie Brand) for the laboratory.

Attendance:

- You are responsible for all material presented in class, including announcements about course procedures or schedules. Exams, quizzes, and homework often include questions on material presented only in class, so performance on these indirectly reflects attendance. Attendance will only be taken for the first two weeks of the semester. Students who do not attend class during the first two weeks of class will be removed from the class. The "FN" grade may be given immediately after the withdrawal deadline for students who have stopped attending class and are failing. An FN grade will be assigned if a student misses more than two tests including the final or fails to complete more than 3 labs.

Evaluation:

- There will be four exams in the regular semester. Each exam is worth 20% of the course grade.
- The final exam is worth 20% of the course grade.
- The lowest grade among the 4 tests and the final will be dropped.
- The laboratory reports are worth 20% of the course grade.
- Course grades will be assigned as follows:

A: 90% - 100%

B: 80% - 89.99%

C: 70% - 79.99%

D: 60% - 69.99%

F: below 60%

NP grades are not given.

Incompletes will be given only if: a) at least 70% of the work is completed at the time of the request and b) the student is passing with at least a "D" at the time of the request, and c) there is a valid reason such as illness, an accident, etc. . . . Doctor's notes are required for granting incomplete grades. Other grades such as "W" (withdrawal) and "X" (audit) may be assigned according to college policies.

Examinations: Examinations usually contain a multiple-choice section, and a problems section.

MAKE-UP EXAMS: Because the lowest lab score and lowest exam score are dropped there should be no make-ups for labs or exams.

Lectures: Lectures will be presented in a combined PowerPoint/whiteboard format. Students will have an opportunity to printout handouts from the class web site.

Students may repeat a course in an attempt to improve a grade previously earned. State Board Rule 6A-14.0301 limits such attempts to courses where a "D," "F" or "FN" grade was earned, and limits to two the number of times a course grade may be forgiven. The official grade and the grade used in calculating the GPA shall be the last grade earned in the course.

A student may have only three total attempts in any course, including the original grade, repeat grades and withdrawals. Upon the third attempt in a course, the student must be given an "A," "B," "C," "D" or "F." A fourth attempt may be allowed only through a general appeals process based on major extenuating circumstances. On the third attempt, out-of-state tuition is charged which is about four times in-state tuition.

Chemistry Lab

Safety

- ◆ Safety goggles or glasses must be brought to every lab, and worn during lab.
- ◆ Follow safety instructions. Safety infractions will result in significant grade penalties and may result in expulsion from the lab.
- ◆ Long pants or the equivalent must be worn during lab. A lab apron is encouraged.

Before Lab:

- ◆ Read the experiment.
- ◆ Prepare your notebook to take data. That means that you should copy into your notebook any data tables or other notes that you need to collect data. Also include the title and the purpose. Do any pre-lab questions.
- ◆ Write down questions you have about the lab and ask your instructor those questions before you begin the experiment. Failure to prepare for lab may result expulsion or non-admittance to lab.
- ◆ Failure to complete more than 3 labs will result in an automatic failure for the class. ***

During Lab:

- ◆ All data taken in the laboratory must be recorded in ink in your notebook
- ◆ Write down all observations. Be sure to include any additional comments that may be important.
- ◆ Initial and date each page.
- ◆ You must obtain your instructor's initials in your data table before you leave the lab.

Laboratory Reports:

- ◆ Lab reports are typically due at the beginning of the next laboratory period. Unless your instructor gives you a previous extension, late lab reports (up to 1 week late) will be graded with a 20% grade reduction. Labs will not be accepted more than 1 week late. (The last lab may have different rules.)
- ◆ Labs are graded on a scale of 0 to 10. For the safety lab you will not receive a grade. Your final lab grade will be the average lab grade scaled to 100, after dropping your lowest grade.
- ◆ Most reports will be instant laboratory reports. They already contain the correct structure. Fill in the appropriate areas. One or two of the labs will require full lab reports. You **MUST** use the format described in your lab text.
- ◆ While students often work in pairs in the lab, lab reports must be written individually. Do not plagiarize.

Cell phones, beepers and other electronic devices must be turned off according to college policies.

Breaches in classroom etiquette may result in grade penalties up to failure for the class. See web site for classroom etiquette.

Academic dishonesty may result in a course grade of F. For rules regarding academic dishonesty look at the following web page: http://www.fscj.edu/catalogs/2001_2002/Rules/dueproc.html or current catalog.

Student work in this class may be collected by the College for the purpose of assessing institutional effectiveness and measuring general education competencies. The artifacts collected and submitted for this purpose will be done so anonymously

DISABILITIES: Appropriate accommodations (such as note takers, extra time on tests, quiet testing, etc.) will be available to assist students with disabilities, provided written instructions are sent to the instructor by the Disabled Student Services Counselor. (Carolyn Melican : 646-2191)

South Campus Science Learning Center: G-200. Hours: M-R: 7:30 a.m.–8 p.m; F: 8:00 a.m.–noon