CHM: 101  FUNDAMENTALS OF CHEMISTRY I
COURSE INFORMATION
SUMMER 2006 SECTIONS 601/602

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Office Hours
Mon-Thur 7:30 - 7:50 AM
during class, after class, or by appointment

A. COURSE DESCRIPTION

Credit: 5 semester hours (4 lectures, 2 problem sessions, and two 2-hour labs/week)
Prerequisite: one year of high school algebra or MTH:007
Note: Credit is not granted for both CHM:101 and CHM:105

B. MEETING TIMES AND LOCATIONS

Section 601: Lecture: M,T,W,Th 10 – 11:20 (LH 101)
Problem Session: Tu,Th 11:30 -12:20 (LH 101)
Lab: Monday and Wednesday 8-9:50 (SS 206)

Section 602: Lecture: M,T,W,Th 10 – 11:20 (LH 101)
Problem Session: M,W 11:30 -12:20 (LH 101)
Lab: Tuesday and Thursday 8-9:50 (SS 206)

Write your section number on ALL submitted items!

C. STUDENT MATERIALS


Lab Manual: G. Krishnan, Laboratory Experiments For Fundamentals of Chemistry, St. Louis Community College at Meramec. (unbound, shrink wrapped)

Calculator - Recommend TI-30X IIS or similar model, preferably with a memory function.

Laboratory goggles (available in bookstore)[must have "vents", NOT "holes"]
Supplements to the Course (optional)

• Companion Website http://chem.prenhall.com/trointro

D. EDUCATIONAL OBJECTIVES OF THE COURSE
After completion of the course, the student will have encountered learning situations involving:
• instruction in the nature of atomic and molecular structure, in the properties of solids, liquids, and gases, and in applications of chemistry to everyday problems.
• information about the significance and impact of chemistry on our society.
• hands-on laboratory investigations into the behaviors, properties, and interactions of chemicals.
• the building of an intellectual framework upon which to "hang" ideas, principles, and pertinent information acquired through additional coursework in the sciences.
• evaluation of each student by the instructor, including laboratory submissions, problem exercises, short quizzes, and exams.

This is YOUR course as much as it is mine. I hope you enjoy the challenge of learning the material as much as I enjoy the challenge of presenting the world of chemistry. DO NOT HESITATE TO ASK ME FOR HELP!
I'll do the best I can to make CHEM 101 a rewarding experience for you.

E. STUDENT EVALUATION: (final grade determined by point total)

Four One Hour Exams (100 pts each- lowest dropped)= 300 points
Cumulative Final Exam (required) = 200 points
12 Graded Lab Periods (12 pts each) = 144 points
Lab Final = 14 points
Problem Session Points (13@ 5 pts each) = 65 points
Quizzes* = 30 points

Total: 753 points

* Each quiz is worth a maximum of 10 points. It is planned to offer four quizzes, and the best three of four quiz scores will be used to calculate total quiz points.

Assignment of Final Letter Grades:
A = 92.0 –100% A student who wishes to withdraw
B = 82.0 – 91.9% from a course with a "W" must do so by
C = 72.0 – 81.9% Friday, July 14, 2006 at the Admin Building.
D = 64.0 – 71.9% The instructor cannot withdraw a student,
F = Below 64% nor can the internet be used for this purpose.
F. ATTENDANCE / MAKE-UP POLICY

Attendance will be taken during the first week to satisfy department policy. Although attendance in lecture is not mandatory, it will be difficult to be successful in this course if lecture is not attended regularly. In addition, the following make-up policies are in effect:

Exams: Since your lowest exam score will be dropped, no make-up exams will be given. Missing a second exam is a serious issue and would require discussion with the instructor. The Final Exam must be completed.

Quizzes: No makeup quizzes will be given. Only the top three quiz scores will be counted toward quiz total points. Some quizzes may be unannounced.

Labs: No makeup labs. Students must attend lab to receive credit. Credit for one missing lab may be earned provided there is a valid excuse AND student successfully completes a special assignment. It is the student's responsibility to contact the instructor if they desire to earn this make-up credit. Labs consist of a lab submission worth 12 points for each graded lab. The lab final is worth 14 points. Students have the option of attending the other section's lab if planned in advance.

Lab Submissions: Due dates will be announced.

Grace period - you have up to the start of our next class meeting after the due date to submit a lab without incurring a penalty.

G. SYLLABUS

A tentative syllabus for the course will be distributed at the first meeting. Advance notice of reading assignments and exams will be given. In addition, a list of suggested homework problems will be issued.

H. PROBLEM SESSION

Attendance at the two Problem Sessions each week is critical to your success. At these sessions, your instructor will work the appropriate problems from the suggested homework list and answer any questions you may have about these problems or any other course material. You should examine the suggested Homework Problems list daily and work those problems that apply to completed lecture topics. To encourage this essential interaction, each problem session will be worth 5 points as follows:
Attendance = 3 points.
Correct response to a written question or questions at end of session = 2 points.
The "Problem Session Question" (PS Quest) will be issued at the end of the Problem Session and will involve material that was just discussed in the session. Each student will be allowed one absence during the semester without penalty. Any other missed Problem Sessions will be calculated as 0 of 5 points possible. It is strongly encouraged you attend the Problem Session assigned to your section as slightly different material may be covered at different times for section 601 compared to section 602. Contact the instructor if this is an issue.

I. ACADEMIC HONESTY
It is fully expected that each student should do their own work on quizzes and exams. Strictly forbidden during testing is the use of the text, notes, or formulas (except those provided by the instructor). Do not load formulas into your calculator memory or use a cell phone as a calculator. Do not look at a classmate's work during testing. If cheating is suspected, the instructor will discuss the incident with the student(s) involved and the instructor reserves the right to grant a zero on that test. The instructor also has the right to give a failing COURSE grade if academic dishonesty is established.

J. MISCELLANEOUS:
Monday, July 3: LECTURE ONLY (no lab or problem session)
Tuesday, July 4: NO CLASS (Independence Day)
Friday, July 14: Last Day to Withdraw
Wednesday, July 26: Last Lecture
Thursday, July 27: FINAL EXAM; 10 - 11:50 AM

When e-mailing, please type your section # in the "Subject Line" so I know your communication is not "spam"!

The Access Office -- Disability Support Services -- has been designated by the College as the primary office to guide, counsel, and assist students with disabilities. If you receive services through the Access office and require accommodations for this class, please make an appointment with me as soon as possible to discuss your approved accommodation needs. Bring your "Instructor Notification Memo" provided by the Access Office to the appointment. I will hold information you share with me in strictest confidence unless you give me permission to do otherwise. If you have not made contact with the Access Office and have reasonable accommodation needs (e.g., volunteer note taker, extended time for tests, seating arrangements), I will be happy to refer you. The Access Office will require appropriate documentation of disability.

If you wish to receive accommodations in this class, you must register with the Access Office. Registration with the Access Office is voluntary for people with disabilities, but it is a requirement of receiving accommodations.