SYLLABUS  PRINCIPLES OF CHEMISTRY I  Spring 2011

2084  CHEM 1211K/001  MWF 9:00 – 9:50 am @ J-161  M 2:00 – 2:50 pm @ E-222
2085  CHEM 1211K/002  MWF 9:00 – 9:50 am @ J-161  M 1:00 – 1:50 pm @ D-138
2086  CHEM 1211K/003  MWF 9:00 – 9:50 am @ J-161  F 1:00 – 1:50 pm @ D-156

Instructor: Lu Kang, Ph. D.  URL: http://www.spsu.edu/chem/Kang.html
Office 📞: 678–915–3276  E-mail: lkang@spsu.edu
Office 📩: MWF 11:00 – 11:50 am, W 3:00 – 3:50 pm, R 1:00 – 1:50 pm @ Building E-181

DESCRIPTION & OBJECTIVE:

CHEM 1211K is the 1st course in a two-semester sequence covering fundamental principles and applications of chemistry designed for undergraduates. The emphasis will be focused on the inquiry-based, hands-on activities which are integrated into lecture class and laboratory practice. The following topics will be covered: scientific method, matter, fundamental chemistry laws, classification & nomenclature of compounds, stoichiometry, chemical reactions (precipitation, acid-base, and oxidation-reduction), ideal gas laws, thermochemistry, quantum theory, periodic table, and chemical bonding. The course objective is to help entry level college students acquire fundamental knowledge of chemistry and develop skills in critical thinking and problem solving. The Prerequisite of this course is: College Algebra (MATH 1111)


TUTORING:  Contact ATTIC via 📞: 678–915–7361

GRADING:

A: 90 – 100  B: 80 – 89  C: 70 – 79  D: 60 – 69  F: 0 – 59

The regular lecture & recitation class attendance is mandatory. Should you miss a class for any reason, you are responsible for all course materials discussed in that class.

Attendance / Quizzes  10%
Recitation  10%
Hour-Exams (The best 4 out of 5)  40%
Final Exam (Comprehensive)  20%
Laboratory  20%
Problem Sets (Bonus!)  10%

1. Should you miss an hour-exam or a quiz for any reason, you get a zero grade. No make-ups for hour-exams and quizzes will be given. However, the lowest exam grade will be dropped, and only ~90% of the total quiz scores will be counted for grading evaluation.
2. Homework will be assigned every Wednesday and it will be due in class on the following Wednesday. The graded problem sets will be returned in class on the following Monday. Although late homework is accepted, it costs you 20% score off per calendar day of delay.
3. A midterm grade will be posted via Banner prior to the Last Day to Withdraw w/o Academic Penalty. This grade will be given as “S” (satisfactory, 70% or better) or “U” (unsatisfactory, less than 70%), which is based only on graded quizzes, exams, problem sets, and lab reports, each appropriately weighed according to this syllabus. No grades will be dropped for this estimation and anything due but not received yet will be graded zero.
4. Students must pass the laboratory (> 60%) and take the final exam to receive the 4 credits of CHEM 1211K. Students who pass the lab with a grade of 70% or better but failed the lecture class might not retake the lab when they repeat the lecture. Please get the permissions from the instructor and the director of chemistry program. Registration of CHEM 1211K without its lab requires an override only available at the Dean’s office of A&S, J-304.

5. Practice is one of the best ways to develop your analytical thinking skills. Don’t give up and leave a blank on your answer sheet when you get in trouble with hour exams or problem sets. If you write down your thoughts in case you are not sure of your answers, I'd like to evaluate your ideas. I reserve the right to give partial credits for the efforts even if your answers might be wrong. Keep this in mind: Having creative ideas is more exciting than merely obtaining a correct answer!

HONESTY:
1. Academic honesty as detailed in the Student Handbook is expected. The use of calculator programs as crib sheets will be considered cheating. The memories of programmable calculators may be cleared before exams. The use of cell phones or any electronic devices other than calculators during exams will be considered cheating.
2. You are encouraged to discuss homework assignments with others. However, it is unwise to copy others’ work, vice versa. If I get identical problem sets, all individuals involved in will be graded zero.

CALENDAR: https://zimbra.spsu.edu/home/calendar@spsu.edu/Registrar%20Calendar.html
1. Thursday, 01/13/2011, is the End of Drop/Add.
2. Monday, 01/17/2011, is the Martin Luther King Jr. Holiday.
3. Tuesday, 03/01/2011, is the Last Day to Withdraw w/o Academic Penalty.
4. Sunday – Saturday, 03/06/2011 – 03/12/2011 are the Spring Break.
5. Thursday, 04/28/2011, is the Last Day of Class Spring 2011.

STUDENT HEALTH SERVICES:
Health Services provides service for minor illnesses. A nurse is on duty (8:30 am – 5:00 pm) Monday – Friday in the Recreation and Wellness Center. Please call ☏: 678–915–7366 for help. If in a serious situation, please call Wellstar at 770–955–8620.

DISABILITY STATEMENT:
Students with disabilities who believe that they may need accommodations in this class or laboratory are encouraged to contact the Disability Service Coordinator, Ms. Kalista Thomas, via ☏: 678–915–7244 to ensure that such accommodations are implemented in a timely fashion. Information on Disabilities Services can be found at http://www.spsu.edu/attic/Dis_Svcs.html.

CAMPUS EMERGENCY MANAGEMENT:
If something serious happens on campus, please call CAMPUS SAFETY at: Ext. 5555 via campus IP phones whenever the campus network is available. Otherwise, you can always dial 678–915–5555 or 770–528–5555 to reach CAMPUS SAFETY. Keep in mind: in SPSU campus our safety officers can always find you, reach you, and help you quicker than anyone else.