Instructor:
Professor John Papanikolas

Office Location:
Caudill Laboratories, Room 118
Phone: 962-1619
Email: john_papanikolas@unc.edu; If you send me an email, please begin the subject line with "CHEM 481".

Office Hours:
Mondays at 4:00 pm, or stop by. If not in my office check my lab, Caudill 123. I prefer that if you have questions about lecture or problems that you come to my office. If you ask me a question in an email that is not easy to answer in a short note, I may ask you to stop by my office.

Prerequisites:
CHEM 102 or 102H; PHYS 116, 117; and pre- or corequisite, MATH 383 It is an honor code violation to be enrolled in a course lacking the proper pre- and co-requisites.

Text:
"Physical Chemistry: Volume I" by Thomas Engle and Philip Reid, 3rd ed (Required); Mastering Chemistry Online Site that Accompanies Text

Topics to be covered:
We will cover Chapters 1-9

Quizzes, Exams and Grading:
Homework (0%): Homework will do in two parts. First, for each chapter, there will be an online homework set that utilizes the online website "Mastering Chemistry" (http://www.masteringchemistry.com). In addition, I will handout a few (2-5) supplemental problems, which will be handed in and graded as a either check/check-minus. (To get a "check", the problem set will have to be complete.) Quizzes (20 %): Approximately 6 online quizzes will be given during the semester, approximately 1 per chapter. Midterm Exams (40%): There will be two (2) midterm exams (Oct 2 and Nov 18). Final Exam (40%): A cumulative final exam will be given on the date specified by the university

Notes:
I highly advise you to work the assigned problems, both on-line and off-line, since it is virtually impossible to do well without doing so. Although homework will count 0% towards your final grade, if you recieve a "check" on all of the problem sets AND complete all of the "Mastering Chemistry" assignments with 100% correct
scores, I will raise your grade by a $\frac{1}{3}$ of a letter grade, i.e. B raises to B+; C+ raises to B-, etc. (This will not apply to F and A letter grades).

Make-up exams (or quizzes) will be given only with a valid excuse. If you miss an exam (or quiz) without a valid (written) excuse you will receive a score of zero. Valid excuses include sickness and family emergencies. Even with a valid excuse, I reserve the right not to provide a make-up exam under certain circumstances (e.g. could not be scheduled prior to handing back the exam/quiz to the rest of the class). If this is the case, your final grade will be computed based on the appropriate reduced total score. For example, if the total number of possible quiz “points” is 100 and you miss a 10-point quiz, your quiz grade will be based on total possible score of 90 (instead of 100). Participation in sports events is also a valid excuse. You must notify me two weeks prior to the event.

Policy adopted by the faculty of the Department of Chemistry on September 9, 1977,

“Since all graded work -including homework to be collected, quizzes, papers, mid-term examinations, final examinations, research proposals, laboratory results and reports, etc.- may be used in the determination of academic progress, no collaboration on this work is permitted unless the instructor explicitly indicates that some specific degree of collaboration is allowed. This statement is not intended to discourage students from studying together or working together on assignments, which are not to be collected.