Chemistry 3523 Physical Chemistry II
Course Syllabus

Professor Charles Rice
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Office hours: Wed 1:30-2:30 or by appointment. Meet me in the Devon Energy Hall lobby before class

Text: Physical Chemistry, 4th edition by Laidler, Meiser and Sanctuary plus a CD!
Library Reserves: Some additional materials may be on reserve in the Chem/Math library, depending on whether I think it is necessary.

3523 Physical Chemistry II. Prerequisite: 3423 with a grade of "C" or above; Mathematics 2433 or concurrent enrollment. Continuation of 3423. Kinetics, electrochemistry, atomic and molecular states, etc. (F, Sp)

Purpose: To expose students to the fundamentals of physical chemistry, a discipline that is linked to every aspect of chemistry. Some topics covered in this course are Electrochemistry, Quantum Mechanics, Spectroscopy, and Statistical Mechanics. Each of these areas offer unique insight into cutting edge science and will be used to illustrate fundamental principles than can be applied to others areas of chemistry.

Grading:

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<td>4 Exams</td>
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400 pts
100 pts
500 pts

Guaranteed Final Grades
90 - 100% A
89 - 80 B
79 - 70 C
69 - 60 D

Content:
Exam #1: Chapter 7: Electrolytes and Chapter 8: Electrochemistry
Exam #2: Chapter 11: Quantum Mechanics
Exam #3: Chapter 13: Molecular Spectroscopy
Final Exam (not comprehensive): Chapter 15: Statistical Thermodynamics

Disclaimer: I reserve the right to change by addition and/or subtraction any and/or all materials contained in this syllabus. This includes, but is not limited to, course content, assignments, due dates, and portion(s) of the grade assigned to individual items within the course. Although your attendance at the lecture is not required, you are responsible for any announcements made in class, including changes in the quiz and examination schedule, course content, assignments, due dates, and portion(s) of the grade assigned to individual items within the course. If changes become necessary, I will announce them as early as possible.
Accommodation Policy: Any student in this course who has a disability that may prevent him or her from fully demonstrating his or her abilities should contact me as soon as possible so that we can make the necessary arrangements to ensure full participation in this course. The following is a portion of the University policy on accommodation:

Reasonable Accommodation Policy
The University of Oklahoma will reasonably accommodate otherwise qualified individuals with a disability unless such accommodation would pose an undue hardship, or would result in a fundamental alteration in the nature of the service, program or activity, or in undue financial or administrative burdens. The term “reasonable accommodation” is used in its general sense in this policy to apply to employees, students, and visitors. Student requests for reasonable accommodation should be addressed to the Office of Disability Services, Oklahoma Memorial Union, Suite 370, (405) 325-3163, TDD (405) 325-1461.
A student must self-identify as an individual with a disability and provide appropriate diagnostic information that substantiates the disability. The Office of Disability Services will then assess the impact of the disability on the student’s academic program and record the required academic accommodations in a memo to the instructor. All diagnostic information is confidential and therefore memos can be sent only at the student’s request.
Individuals who have complaints alleging discriminations based upon a disability may file them with the University’s Affirmative Action Officer in accordance with prevailing University discrimination grievance procedures.

Student Conduct: Each student should familiarize themselves with the student code of conduct and those policies outlined in the student handbook. A portion of that policy is outlined below. More information is available at: http://www.ou.edu/provost/pronew/content/integritymenu.html

Academic Misconduct Policy
Integrity in all aspects of scholarship is essential to the University’s mission. The Academic Misconduct Code sets forth the rights and responsibilities of all students on the Norman Campus regarding academic integrity, and provides the procedures to be followed in cases of suspected misconduct.
Academic misconduct is defined as any act, which improperly affects the evaluation of a student’s academic performance or achievement. It specifically includes cheating, plagiarism, fabrication, fraud, destruction of property, and bribery or intimidation, as well as assisting others or attempting to engage in such acts.
It is the responsibility of each student to be familiar with the definitions, policies and procedures concerning academic misconduct; and unfamiliarity with the code alters none of a student’s rights or responsibilities thereunder. The Academic Misconduct Code is printed with the Student Code and is also available on the Internet at http://www.ou.edu/provost.

NOTICE TO STUDENTS REGARDING THE CONSEQUENCES OF ACADEMIC MISCONDUCT: Students engaging in academic misconduct (including cheating, plagiarism, and any other action that may improperly affect evaluation) will be subject to sanctions in accordance with the Norman Campus Academic Misconduct Code. Dr. Rice routinely recommends "F" for the course and expulsion from the University for all such violations.