2014

320-01 Physical Chemistry I

Barbara Hopkins

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SYLLABUS

CHEM 320-01 PHYSICAL CHEMISTRY I FALL 2014

INSTRUCTOR Dr. Barbara M. Hopkins
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OFFICE Logan 103
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OFFICE HOURS Wednesday, 1:30-3:00; Tuesday and Thursday, 8:30-noon and by appointment.

DESCRIPTION OF COURSE: This course for the chemistry major introduces the student to the use of thermodynamics in the solution of problems in chemistry. Topics discussed include the Laws of Thermodynamics and Equations of State; Gibbs Energy and Helmholtz Energy; Chemical Equilibrium and Phase Equilibria.

PREREQUISITE: CHEM 162 (General Chemistry) and MATH 220 as a Prerequisite or Corequisite.


ATTENDANCE: Regular attendance is strongly encouraged but not required.

SPECIAL NEEDS: It is the responsibility of the student to inform the instructor at the beginning of the semester of any individual conditions, medical or otherwise, that may require special attention. Appropriate consideration will be given in these situations.

COURSE REQUIREMENTS:
Tests: Tentative dates: Sept. 17, Oct. 15, Nov. 7 and Dec. 8. Each test counts equally toward the final grade with a total contribution from tests of 68%. Students are responsible for taking tests at the scheduled times. Make up tests will only be given with proof of illness or proof of some other conflicting event (note from an appropriate university counselor).
Final Exam: Comprehensive, contributing 20% to the final grade. Wednesday, December 17th.
Homework: As assigned. Contributes 12% to final grade. Homework will not be accepted if late and should be completed before the class when it is due. Complete solutions to problems must be shown.

GRADING SCALE: A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: Below 60. This grading scale is subject to downward re-evaluation depending on overall class performance. Plus (+) grades will be given to scores within the top three numerical values of a grade level. Minus (-) grades will be give to scores within the lowest three numerical values of a grade level. Xavier does not have an A+ grade designation.
NOTE: According to the Xavier University Catalog, a grade of A is earned for exceptional performance. This is also the agreed grading policy of the faculty in the Chemistry Department. The Chemistry Department Grading Policies should be viewed by all students and can be found on the Department Web site at http://www.xavier.edu/chemistry/Department_policies_grading.cfm

ACADEMIC HONESTY: Cheating on any test will result in a grade of F being given for the course. Students may appeal according to normal procedures stated in the University Catalog.

The procedures in this course syllabus are subject to change in the event of extenuating circumstances. These changes, if necessary, will be announced to the class in as timely a manner as possible.