Chemistry 335 - Kinetics & Thermodynamics

MWF 8:10-9:00 Text – Chang's Physical Chemistry

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Office hours M 10-11:30am & 4-4:30pm, W 10-11:30am

and by appointment

Course Description –

This course presents a study of kinetics and thermodynamics as applied to chemistry. In the first part of the semester we will concentrate on thermodynamics and use the first and second laws of thermo to help understand equilibrium and describe the energetics of reaction. In the second half of the semester we will concentrate on kinetics, starting with the basic ideas of molecular motion that will build to an understanding of the rate equations and dynamics of more complex reactions.

Words of Wisdom –

If you have a question or are having difficulties with a concept get help RIGHT AWAY! and DO THE HOMEWORK!!

Students with Disabilities

If you have a disability and therefore may have need of some type of accommodation(s) in order to fully participate in this class, please feel free to discuss your concerns in private with us and also to self-identify yourself to Erin Salva, Coordinator of Disability Services at PBX 5145 or via email at "salvae@ kenyon.edu". Please note that it is mandatory that you see Erin Salva for any accommodations to be given.

Academic Honesty

Please read Kenyon's statement "Academic Honesty and Plagiarism" found in the Course of Study. In short, materials submitted for grading must be your own work, that is, not a copy of someone else's work, even in part.

Changes

Any and all parts of this syllabus are subject to change. Notification of such changes will be made in class or via e-mail prior to taking effect.

Evaluation

Mid-Term Exams (2)	40 %
Final Exam	20 %
Project	10 %
Homework	15 %
Quizzes	15 %

~ Tentative Problem, Quiz & Exam Schedule ~

week	monday	wednesday	friday
week 0 – a31	----	----	Intro
week 1 – s3-s7	Ch 2	Ch 2	Ch 3
week 2 – s10-s14	Ch 3	Ch 3; **quiz 1**	Ch 4
week 3 – s17-s21	Ch 4	Ch 4	Ch 4
week 4 – s24-s28	Ch 4	Ch 4	Ch 5
week 5 – o1-o5	Ch 5	Ch 5; **quiz 2**	Ch 5
week 6 – o8-o12	**FIRST EXAM**	Ch 6	!!!vacation!!!
week 7 – o15-o19	Ch 6	Ch 6	Ch 6
week 8 – o22-o26	Ch 7	Ch 7; **quiz 3**	Ch 7
week 9 – o29-n2	Ch 9	Ch 9	Ch 9
week 10 – n5-n9	Ch 12	Ch 12	Ch 12; **quiz 4**
week 11 – n12-n16	Ch 12	Ch 12	Ch 12
Thanksgiving	!!!vacation!!!		
week 12 – n26-n30	Ch 13	Ch 13	Ch 13
week 13 – d3-d7	Ch 13	**SECOND EXAM**	Ch 13
week 14 – d10-d14	special topics	special topics	special topics
December 18, 6:30pm (Thursday) FINAL			