

Chemical Kinetics

CHM 6720

Spring 2013

Class Meeting Times: MWF-3 (9:35 – 10:25 am)

Class Room: Leigh Hall 104

Instructor: Dr. Wei David Wei

Phone: 352-392-2050

E-mail: wei@chem.ufl.edu

Office Hours: M: 10:30-11:30 am
F: 10:30-11:30 am or by appointment

Office Location: CLB 311D

Grading Criteria: (10%) Class participation, quizzes, and in-class discussions
(50%) Exams
(20%) Home work
(20%) Term paper or presentation

Scheme: 100-90%(A); 89-85%(A-)
84-80%(B+); 79-75%(B); 74-70%(B-)
69-67%(C+); 66-64%(C); 63-60%(C-)
59-57%(D+); 56-54%(D); 53-50%(D-)
<50% (F)

Holidays (no class): Jan 21 (MLK Day)
March 4, 6 & 8 (Spring Break)

Tests: Two exams
Quizzes and Problem sets in class

Class Text: there are many excellent texts that treat various aspects of the course and will be helpful in gaining a better understanding and in preparation of the term papers. Recommended reading materials are:

Chemical Kinetics and reaction Dynamics, Paul Houston, Dover (this is quite close to what I teach on some chapters, but again, not all of them)

Chemical Kinetics, 3rd Edition," Keith J. Laidler, HarperCollins, 1987. (some is taken from this book, but not everything)

An Introduction to Chemical Kinetics, M. Robson Wright, Wiley

Additionally, selected book chapters, handouts, review articles and research papers will be distributed electronically.

Course Objectives: The goal of this class is to analyze and understand chemical kinetic data. By the end of the semester you will be able to solve problems involving chemical kinetics and obtain rate coefficients.

Class Participation: Attendance is absolutely mandatory and participation in class discussion is a very important part of the course. A key objective of the course is critical reading and interpretation of experimental data and papers. All will be done in the class. If you must miss class, please contact me in advance.

Term paper will be 4-6 pages to present a recent paper that utilizes the concepts learned in the class. One student will do a brief presentation while others will do a critical evaluation. Short presentations (~30min.) will take place in the last weeks of the semester. More details on this later.

STUDENTS WITH DISABILITIES:

Appropriate accommodations will be provided, according to the policy at www.chem.ufl.edu/~itl/disabilities.html

ACADEMIC HONESTY:

Students are expected to abide by the [UF HONOR CODE](#)

COUNSELING

Contact information for Counseling and Mental Health may be found at:

<http://www.chem.ufl.edu/~itl/counseling.html>.