

Graduate Chemistry Course Offered Online Jan 8, 2018-May 11, 2018

Chem 531: Chemical Dynamics. *3 credits. Three hours lecture. Prerequisite: a semester of calculus based physical chemistry or consent of instructor.*

Study of the kinetics and dynamics of complex, coupled chemical reactions. Both chemical kinetics and biological enzyme kinetics will be covered. The software Mathematica will also be used to solve problems and demonstrate concepts and the use of the software will be taught during the class so that no prior knowledge of the software is needed to begin the course.

Texts:

Chemical Kinetics and Reaction Dynamics by Paul L. Houston, Dover Publications, 2001.

Enzyme Kinetics for Systems Biology, 2nd Ed. by Herbert M. Sauro, Ambrosius Publishing, 2015.

Go online to register: CHEM 531-02 (18533)

Questions? Contact Kathryn Thomasson kathryn.thomasson@und.edu