MODELING and DYNAMICS   MATH 6705

Fall Semester 2013

INSTRUCTOR: Leonid Bunimovich

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SYLLABUS: Discrete Dynamics, Stationary and Periodic States, Their Stability, Compartment Models, Ordinary Differential Equations, Diffusion, Circular Reactions, Oscillations and Regulation, Laplace Transform, Numerical Methods, Curve Fitting, Method of Least Squares, Partial Differential Equations

HOMEWORKS: Problems will be assigned weekly on Thursdays. There will be no grading of homework but some analogous problems would be included in the exams.

EXAMS: There are three midterms scheduled for the course. Each midterm carries a weight of 150 points. There will be no final exam. The schedule for the exams will be announced later in the semester.
All midterms are closed books (notes, etc.) exams.

GRADING: The assignment of the letter grade will be based on your ranking in the class. For Pass/Fail students a C or above is Pass.

Welcome to Math **6705** and best of luck to you all.