You have received the worksheet entitled "The Drug Assimilation Model," the last major homework assignment.

Complete the worksheets for the Drug Assimilation Model, providing answers to all questions and requested printouts of diagrams, equations, tables, and graphs. **Be sure to sketch graphs in the worksheet when asked.** You should turn in your completed worksheet by the scheduled date, so as to leave time for your major project(s).

Parts 1c, 1d, 1e, and 1f should be done independently, from the state of the model in 1b. These scenarios are separate, not cumulative. Be thorough in your answers to parts 2b, 2c, 2d, and 2e. There is a lot of weight on complete and detailed answers on these parts. For 5 points **extra credit,** in Problem 1f derive and explain the conversion formula from half-time to elimination fraction.

You may submit Assignment 10 *entirely* electronically, but only if you can find a way to submit the "sketches" of graphs requested in several of the problems. In that case, your worksheet responses, sketches, and "printouts" of diagrams, graphs, and equations should be submitted as an MSWord file. Re email, **please** follow the procedure below, **especially with regard to titling file**s:

1. Title your file Drug_yourname.doc.
   For example, Drug_smith.doc.
2. Attach your file to an email with the subject Drug Model.
3. Send your email with attachment to Dr. mayer at mayer@math.uab.edu.

There is no need to email the STELLA models as you change them frequently in these assignments.

Due date: April 3.