

# Mathematical Models in the Life Sciences

## Assignment 2

Due: 10:00 AM February 1, 2008

You are free to use any books or notes as you work on these problems. You are encouraged to work with other members of the class, but not to the point where you simply copy another's work. Also feel free to ask me any questions about these problems. Your work should be neatly and carefully written, and be sure to show all of your work. Solutions to the collected problems will be available following the due date.

- MINIMUM READING: Edelstein-Keshet — 1.3, 1.4, 1.6.
- ADDITIONAL READING: Edelstein-Keshet — 1.2, 1.5.  
In the additional reading, you will find another detailed example of linear difference equations applied to annual plant propagation.
- PROBLEMS:
  1. No computer exercises this week.
  2. MATLAB computer lab next week for those interested.
  3. Edelstein-Keshet — 6.a, 6.b, 6.c, 7.a, 7.b, 7.c, 14