

ESRP 310 Fall 2007, 4th Lab:
College Growth Exercises
(Chapter 6 Web #1, 2, 3, 4, 5 and 6)

Sept 6, 2007 at SLIC

students may use SLIC from 2:00 to 5:00
Prof. Ford arrives to help at 2:30pm

Agenda

These exercises involve a model of a growing college population. I've assigned them to a lab session so you will have the opportunity to work on them in a group and get help from me along the way.

Two comments before you begin:

Continuous Operations:

The college in this exercise is not like WSU (where we admit a large number of new students in August of each year and graduate a large number in June of the next year). Rather, this college operates on a continuous calendar: students are entering continuously and the graduates are leaving continuously. This means we do not need to use the MOD function to keep track of the month of the year in which new students arrive or existing students graduate. Time will simply be in years. The average student takes 4 years to complete all the requirements, so the graduation rate is 25% per year.

Do the First Exercise Before Starting on Exercise #2

The first web exercise asks you to estimate the number of students when the college reaches equilibrium. Some students are tempted to skip this first exercise and get on with the modeling. However, I will encourage you to make your best estimate of the equilibrium number. (I will do this by visiting each of you to ask for your explanation of the equilibrium number.)