

Course Outline

Math 260 - Integrative Seminar

Spring 2008

Instructor: Prof. John A. Pelesko

Office: 406 Ewing Hall, 831-1467, pelesko@math.udel.edu

Course Web Pages: <http://mathmodelingfall2007.pbwiki.com/>, Password is: meclab07 (You need the password to be able to edit the wiki.)

Office Hours: TBA

Software: Matlab

Overview:

This course was designed for our new major in Quantitative Biology. The goal of the course is to allow you to experience the links between mathematics and biology by working on cutting edge research problems in biology where mathematics plays a central role. Because this is the first time the course is being offered, there is no mathematical or biological prerequisite for the course. Rather, you simply need an open mind, a willingness to learn, and a penchant for hard work!

Assessment: There will be no exams in this course. Rather, your grade will depend largely on participation. In particular, your grade will be comprised of three parts:

1. 10% - Attendance
2. 40% - Participation during class discussions including your presentations
3. 50% - Your contributions to the course wiki

With regards to the course wiki, each week, I will post a set of questions related to the articles we are reading and topics we are discussing. You are to post your answers directly on the wiki below the question. Be sure to include your initials at the start of your answer. Each question is worth a maximum of 5 points. Repeat answers are not allowed! That is, the first person to post a complete and correct answer receives credit. If a correct answer already appears on the wiki, you should not post an answer for that question unless it adds or corrects previous answers in a substantial way. In these cases, the points will be partitioned among those answering the question.