MATH 345/MSCI 648:
Introduction to Mathematical Biology
Fall 2012

Instructor: Sarah Day, sday@math.wm.edu, Jones Hall 123
http://www.math.wm.edu/~sday/teaching.html

Office Hours: , and by appointment

Course meeting times: MWF 11-11:50 in Jones 307.


Inspirational Quote: If the 20th century belonged to physics, the 21st century may well belong to biology. Just 50 years after the discovery of DNA’s chemical structure and the invention of the computer experiment, a revolution is occurring in biology, driven by mathematical and computational science.

Jim Austin, US Editor of Science, and Carlos Castillo-Chavez, Professor of Biomathematics, Science, February 6, 2004

Homework: Suggested problems will be given in class and on the class webpage. You are expected to read the text and work (or seriously attempt) the suggested homework problems before attending each class so that you can follow and add to discussions. Problems to be turned in for a grade and due dates will be listed on the class webpage.

Exams: There will be two midterm exams tentatively scheduled for the following Wednesdays: October 3 and November 7.

Project: Each student, either working with a small approved group or as an individual, will complete a class project. More detailed requirements for the project, including deadlines for project proposals, will be discussed in class and/or posted on the course webpage.

Final Exam: The final exam will be given on December 18, 9:00-12:00 in Jones 307. William and Mary has very strict rules for when a student may take a final exam at a time other than this official time. Failure to take the final exam at the officially scheduled time or to reschedule the exam through the dean’s office will result in a score of “0” for the final exam grade.

Course Grade: 30% of your course grade is determined by the sum of your two midterms, 20% is determined by your graded homework and class participation, 30% is determined by your class project, and the remaining 20% is determined by the final exam.

Academic Integrity: Each student in this course is expected to abide by the William and Mary Honor Code. All work on the homework, exams, and projects should be done alone unless explicitly stated otherwise.