Date: January 16, 2007

SYLLABUS

Course: Math 2030-1

Instructor: Jimmie Lawson
Department of Mathematics
Lockett 216

Office Hours: 10:40-11:30 WF, 9:30-11:00 T, or by appointment

Text: *A First Course in Chaotic Dynamical Systems* by Robert Devaney
A detailed solutions manual may be purchased from the instructor for $5.00.

Text Coverage: Chapters 1-17

Room and Time: Lockett 285, 1:40 MWF

Tests: There will be two unit tests given over the course of the semester, each worth 140 points. The first will cover Chapters 1-7 and the second 8-11. There will also be a 240-point comprehensive final, but weighted toward chapters 12-17.

Homework and Experiments: Homework will be taken mostly from the book, but occasionally may come from handouts or other sources. Experiments will be explorations that illustrate the main ideas through computer experimentations. Approximately 50 points.

Quizzes: Short in-class reinforcements of homework problems, definitions, calculations, and some short proofs; given most Fridays. Approximately 120 points.

Course project (optional): To boost your grade, you may do a course project, such as a research-based report, computer-based simulation or project, or a service learning lecture at a high school math class. Up to 50 points. This should be completed by the beginning the last week of classes. (Whatever you score will be added on to your points and to the total points, so that you make 100% on the project, but it will only be a small number of additional points if it is a weak project.)

Grades: It is anticipated that grades will be assigned on a 10-point percentage scale calculated by dividing the total points a student scores over the total possible points: 90% and above A, 80% to 90% B, etc.