Monday, November 26
Reading: *Anton, Bivens & Davis* Section 9.2

Class 31: Euler's Method

We will be introduced to differential equations and a technique for approximating solutions to them.

Homework 32: *Anton, Bivens & Davis* §9.2: 3, 5, 9, 14, 16, 19
Wednesday, November 28
Reading: *Anton, Bivens & Davis* Section 9.3

Class 32: Modeling with Rate Equations

We shall discuss the many importance of describing phenomena using differential (rate) equations.

Homework 33:
Anton, Bivens & Davis §**9.3**: 1, 2, 3, 5, 6, 13, 17. EXTRA CREDIT 33.

Thursday, November 29

EXAM 3 will be given in Fowler 301 and Fowler 302 from 7pm on today.

Homework 32 and 33 Due in the Math 110 Course Box by 5:00 pm Thursday November 29

Friday, November 30
Reading: *Anton, Bivens & Davis* Section 5.6

Class 33: Newton's Method and Course Wrap-Up

We will end the course by learning a fascinating application of derivatives known as Newton's Method which can be used to solve equations of the form $f(x) = 0$.

EXTRA CREDIT Homework 34:
Anton, Bivens & Davis §**5.6**: 3, 4, 7, 22, 35