In this class you should learn:

- *How to analyze the in the two-point Newton-Cotes formula (the trapezoid rule)*

- *The three point Newton-Cotes formula, or Simpson's rule. Any this is surprisingly accurate*

- *Newton-Cotes vs. Chebyshev quadrature vs. Gauss quadrature*

- *How we can combine Newton-Cotes formulas into piecewise rules*

November 8, 2016

Numerical integration!

Next class

Intro to solving ODEs on a computer
Chapter 11

Next next class

Consistency, stability, and local truncation error
Section 11.4