



# Calculus, Linear Algebra and Differential Equations



## With MAPLE

A 1 credit class to be offered Fall Semester 2018

The purpose of this class is to provide junior and senior students a comprehensive hands-on introduction to the computer algebra system MAPLE. Students will learn to solve problems from calculus, linear algebra and differential equations using Maple. Students will also learn how to write simple programs in Maple, although no programming experience is required to take the class.

The class will run each day for the first 2 weeks of class from 3:30 to 5:00 pm . Each session will be taught in an interactive/hands-on format by Professors Ian Anderson (Department of Mathematics and Statistics) and Charles Torre (Department of Physics)

The class number is CRN 54921, Math 5810.003 **OR** Physics CRN 55238

The prerequisites for the class are: Math 1210,1220 (Calculus 1 & 2), 2210 (Multivariable Calculus) and either Math 2270 (Linear Algebra) or Math 2250 (Linear Algebra and Differential Equations) and Math 2280 (Ordinary Differential Equations).

Maple is freely available to all current USU students from the Department of Mathematics and Statistics.