

# MAT 224 : Numerical Methods

This course introduces the basic concepts of numerical analysis that are employed in science and engineering. It includes a solid introduction to the basic methods and approximation techniques in use, and to the reliability and accuracy of the approximations. Applications of the methods to simplified/model problems that represent real-life problems are also included. Programming skills (based on MATLAB/OCTAVE) needed to implement the methods on a computer are also covered.

**Credits** 3

**Prerequisites**

[MAT 212](#), CSC 112 or equivalent