

# MATH6318 - Numerical Analysis of Differential Equations

[MATH 6318](#) Numerical Analysis of Differential Equations (3 semester credit hours) Practical and theoretical aspects of numerical methods for partial differential equations are discussed. Topics selected from: finite difference, finite element and boundary element approximations for partial differential equations. Application of methods will be illustrated using MATLAB. Prerequisite: [MATH 6313](#) or equivalent. (3-0) T