

Benha University
Faculty of Engineering-Shoubra
Contents of Courses of Mathematics

Civil Engineering - Second Year

Math. & Num. Analysis, Code No. RFA 251, 2 + 2 Hours, 30 + 70 = 100, (1st Term)

(i) Partial differentiation

(ii) Partial differential equations

(iii) Linear programming

(iv) Numerical analysis: eigenvalues and eigenvectors of matrices, solving linear systems, methods for solving nonlinear equations, curve fitting

(v) Functions of complex variable