Course Number and Name
BMA401 - NUMERICAL METHODS

Course Objective
To train the students with Mathematical techniques to solve problems in Engineering

Prerequisites	Co-requisites
Mathematics I, II & III	Nil

required, elective, or selected elective (as per Table 5-1)
Required

Course Outcomes (COs)	
CO1	solves a single equation and a system of linear equations by different methods and get exact solution and iterative solution.
CO2	Interpolate a dependent variable based on a given set of values by a suitable method.
CO3	Find integral value and differential coefficient based on a given set of values.
CO4	Solve initial value problem of ODE and boundary value problems of PDE.
CO5	Will be able to solve eigen value problems
CO6	Understand the application of differentiation and integration in various fields of engineering.

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k	l
CO1	H	M	H			L	L	L	L	L	L	H
CO2	H	M	H			L	L	L	L			H
CO3	H	M	M									
CO4	H	M	H			L	L	L	L			
CO5	H	M	H									H
CO6	H	M	H			L	L	L	L			H