

Course Number and Name												
BMA502 & Numerical methods												
Credits and Contact Hours												
4 & 75												
Course Coordinator's Name												
Dr.M.Ramya												
Course Description												
To train the students with Mathematical techniques to solve problems in Engineering with numerical data.												
Prerequisites						Co-requisites						
Mathematics-I						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: Solve 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.												
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	H	L	L	H	M	M	M	L	L	L	L
CO2	H	H			H	M	M	M		L		
CO3	H	H			H	M	M	M			L	L
CO4	H	H	L	L	H	M	M	M	L	L	L	L