

Course Number and Name												
BMA301 - MATHEMATICS – III												
Credits and Contact Hours												
4 & 75												
Course Coordinator's Name												
Dr.Ramya												
Course Objective												
<ul style="list-style-type: none"> To introduce Fourier series analysis this is central to many applications in engineering apart from its use in solving boundary value problems. To acquaint the student with Fourier transform techniques used in wide variety of situations. To introduce the effective mathematical tools for the solutions of partial differential equations that model several physical processes To develop Z transform techniques for discrete time systems. 												
Prerequisites						Co-requisites						
Mathematics II						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To learn the problem solving methods in linear differential equations											
CO2	To learn Dirichlet's condition and operations using Fourier series											
CO3	To have a clear understanding about 2 nd order equations and wave equations											
CO4	Properties of Laplace transform and problem solving using it											
CO5	Properties of Fourier transform and problem solving using it											
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	M											
CO2		M	H		H							
CO3		M		H								
CO4	H			M								
CO5	H			M	H							