

Course Number and Name												
BEC301 - SIGNALS AND SYSTEMS												
Course Objectives												
This course trains students for an intermediate level of fluency with signals and systems in both continuous time and discrete time, in preparation for more advanced subjects in digital signal processing (including audio, image and video processing), communication theory, and system theory, control and robotics												
Prerequisites						Co-requisites						
BMA201-Mathematics-II						BMA301-Mathematics-III						
Course Outcomes (COs)												
CO1-To Understand different types of signals-continuous and discrete,odd and even,periodicand aperiodic etc.Be able to classify systems based on their properties												
CO2- To familiarize the concepts of transform based continuous time and discrete time analysis of signals and systems												
CO3- Analyze continuous time signals and systems by using appropriate mathematical tools												
CO4-. Analyze sampling process and sampling of discrete time signals.												
CO5- Analyze discrete time signals and systems by using appropriate mathematical tools												
CO6- Determine Fourier transforms for continuous-time and discrete-time signals (or impulse-response functions), and understand how to interpret and plot Fourier transform magnitude and phase functions.												
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1	H	M		M	H							
CO2	H			M	H					L		
CO3	M			H	H							
CO4					H		M					M
CO5	H	M		M								
CO6	H	M		M		M				M		