

Course Number and Name												
BEE402&Electrical Network Analysis & Synthesis												
Credits and Contact Hours												
3&45												
Course Coordinator's Name												
Mrs.Sherine												
Course Description												
To give the students a fair knowledge on the networks and on the filter designs.												
Prerequisites						Co-requisites						
Circuit Theory						Nil						
required, elective, or selected elective (as per Table 5-1)												
Required												
Course Outcomes (COs)												
CO1: To understand basics of network topologies and the tieset and cutset schedules. CO2: Able to relate pole and zero locations to characteristics of time-domain functions and frequency domain functions. CO3: Analyze the given network using different two port network parameters. CO4: Understand basics of network synthesis. CO5: Identify the characteristics of Filters and determine the parameters for the design of various Filters& attenuators.												
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	M	H	L	L	M		M			M	L	M
CO2	H	H	L	L	M					L	L	
CO3	H	M		H	H		M			L	L	
CO4	H	M		H	H		M					
CO5	H	M	M	H	H		M			L	L	M