

Course Number and Name													
BME603 - HEAT AND MASS TRANSFER													
Course Objective													
To understand the mechanisms of heat transfer under steady and transient conditions.													
To understand the concepts of heat transfer through extended surfaces.													
To learn the thermal analysis and sizing of heat exchangers and to understand the basic concepts of mass transfer. (Use of standard HMT data book permitted)													
Prerequisites							Co-requisites						
Thermal Engineering-II							Nil						
Course Outcomes (COs)													
CO1	Learn steady state state of systems												
CO2	Learn unsteady state of systems												
CO3	Understand the principles of convection												
CO4	Understand the principles of radiation												
CO5	Learn the design concepts in mass transfer												
CO6	Learn evaporation process in atmosphere												
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					M			M		
	CO2	H							L		M		
	CO3	H							L		M		L
	CO4											L	
	CO5							M					
	CO6					M							L