

Course Number and Name													
BME005 - DESIGN OF HEAT EXCHANGERS													
Course Objective													
To learn the sizing of heat exchangers, thermal and mechanical stress analysis for various heat exchange applications.													
Prerequisites							Co-requisites						
Nil							HEAT AND MASS TRANSFER						
Course Outcomes (COs)													
CO1	Will understand concepts and working principle of heat exchangers.												
CO2	Will understand shell and tube type heat exchanger design.												
CO3	Will able to do compact heatexchanger design.												
CO4	Will understand the concept of condenser and evaporator.												
CO5	Student learns about cooling tower												
CO6	Student understands installation of cooling tower												
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												
CO2			H		L				H		L		
CO3	H					M							
CO4			H		L		M						L
CO5									H				
CO6	H				L								L