Course title: Heat transfer				
Course code: ENR 192	No. of c	credits: 3	L-T-P: 33-12-0	Learning hours: 45
Pre-requisite course code and tit	le (if any): N.A.			
Department: Sustainable Engineer	ring			
Course coordinator: Dr. Ramkishore Singh		Course instructor(s): Prof. S C Mullick		
Contact details: ramkishore.singh	@terisas.ac.in			
Course type: Programme Core		Course offered in: Semester 1		
Course description				
The course is designed to familiar and applications. Students will lea natural convection and radiation, I heat transfer process can be made	ize the students w arn in detail about how their combin more efficient an	the basic the concept ations contri	principles of heat s of conduction, force bute in any heat tran	transfer mechanisms ed convection, asfer process, how a

learn about types of heat exchangers and their analysis. The course also covers basics of boiling and condensation on different surfaces.

Course objectives

- To impart knowledge of conduction, convection and radiation, their fundamental equations and correlations
- To apply the principles of heat transfer into engineering applications such as heat exchanger, heat pipe, insulation wall etc.
- To develop understanding on boiling and condensation process