

Course Type	Course Code	Name of the Course	L	T	P	Credits
DP	CHC210	Heat Transfer Lab	0	0	2	2

Course Objective
The course is aimed to impart hands-on training on various fundamental aspects of heat transfer and their applications in process industries.
Learning Outcomes
Students would learn about various concepts of heat transfer as well as functioning of relevant equipment

Unit No.	List of Experiments
1	Determination of thermal conductivity of liquid
2	Determination of thermal conductivity of a metal rod
3	Determination of heat transfer coefficient in natural convection
4	Determination of heat transfer coefficient in forced convection
5	Determination of heat transfer coefficient in film wise and drop wise condensation
6	Study of unsteady state heat transfer
7	Determination of Stefan- Boltzmann constant
8	Determination of emissivity of test plate
9	Demonstration of shell and tube heat exchanger
10	Demonstration of Calandria evaporator