

0402353 Heat transfer (1)

(3 Credit hours, Prerequisite 0402341 Fluid mechanics (1))

The course aims to introduce the student to the following topics: Modes of heat transfer. Conduction general equation, 1-D steady state exact solutions, 1-D transient general solution Principles of convection, basic equations, empirical relations for forced and natural convection. Heat exchanges . Introduction to radiation heat transfer.