

ME 307 L : Thermal Fluids Engineering II Lab

Laboratory experiments dealing with applications of thermodynamics, heat transfer and fluid mechanics to the design and analysis of energy systems. This includes energy analysis, studies of laminar and turbulent flow, heat transfer in free and forced convection, in channels, and over surfaces, fins, forced and free convection, boiling and condensation, radiation heat transfer, heat exchangers, compressible flows in pipes, ducts, divergent and convergent flows, sonic and supersonic flows.

Credits 1

Lab Hours 2

Lecture Hours 0

Tutoring Hours 0

Prerequisite Courses

ME 206

Co-Requisite Courses

ME 307