

ME 216 L : Fluid Mechanics Lab

Fluid Mechanics Lab course teaches experiments which address the basic principles of fluid statics and fluid dynamics. These experiments include: buoyancy force, hydrostatic pressure, pressure-volume relationship for gases, energy equation applied on pump system, pipe frictional losses laminar & turbulent flow, pressure-temperature relationship for water, velocity profile for laminar & turbulent flows for air, drag force for objects with different projected area and surface profile, pumps connected in parallel and series, jet force, energy balance calculations, and losses in bends and fittings experiments.

Credits 1

Lab Hours 2

Lecture Hours 0

Tutoring Hours 0

Prerequisites

None

Co-Requisite Courses

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