ME 216 : Fluid Mechanics

Fluid Mechanics course addresses the basic principles of fluid statics and dynamics including practical examples of the fluid devices and systems, solving techniques, and industrial applications. The course teaches introduction and basic concepts, properties of fluids, pressure distribution and fluid statics, fluid kinematics, integral analysis of fluid flow, Bernoulli and energy equations, momentum analysis of flow systems, dimensional analysis and modeling, internal flow, external flow: drag and lift, differential analysis of fluid flow, compressible flow, and open-channel flow.

Credits 3
Lab Hours 0
Lecture Hours 3
Tutoring Hours 0
Prerequisite Courses
PHU 103
Corequisites
None