Course Description

A 300 level course on fluid dynamics intended to teach students how to apply previously learned concepts of fluid flow, fluid statics, and differential equations to solving flow-related engineering problems.

Summary of Course Goals

Solve common engineering problems involving laminar, and turbulent flow through pipes, channels, and external flow. Solve problems for compressible fluid flow through pipes and duct-work.

Course Strengths

The course I attended was very well structured. The instructor methodically derived the basic equations for non-compressible fluid flow through pipes accounting for both major and minor head losses. Having been out of school for almost 30 years, I was able to both follow and understand the derivation.

Preceding each discussion, the instructor carefully wrote all notes on the board, and as he discussed the concepts being presented, under-scored the key elements making it easy for note taking.

A good level of classroom participation was observed with students freely asking questions.

Actions for Performance Enhancement

None noted.