MECH 616. VISCOUS FLOW AND BOUNDARY LAYER THEORY.

Credits: 4

Offered by: Mechanical Engineering (Graduate Studies)

This course is not offered this catalogue year.

Description

Navier-Stokes equations. Laminar boundary layer equations. Similarity, approximate and exact solutions, including wakes and jets. Boundary layer separation. Stability of laminar flow. Transition to turbulence. Lubrication theory. Low Reynolds numbers flows, Oseen approximation.

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Prerequisite: MECH 610 or permission of instructor.

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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