

# CHEE 314. FLUID MECHANICS.

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Credits: 3

Offered by: Chemical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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## Description

Fluid properties; dimensional analysis; drag; packed/fluidized beds; macroscopic energy balances, Bernoulli's equation and linear momentum theorem; flowmeters, pipeline systems, non-Newtonian fluids, microscopic balances leading to continuity and Navier-Stokes equations; boundary layer approximation; turbulence. Laboratory exercises.

- Corequisite: MATH 264.
- (3-2-4)
- Corequisite(s): MATH 264 and CHEE 204

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