

MECH 430. FLUID MECHANICS 2.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

Terms offered: Fall 2025, Winter 2026

View offerings for Fall 2025 or Winter 2026 in Visual Schedule Builder.

Description

Review of thermodynamics of gases, one dimensional isentropic flow and choking. Nozzles and wind tunnels. Normal shock waves. Flow in constant area ducts with friction and heat exchange. Compressible irrotational flow. Oblique shock waves and Prandtl-Meyer expansion. Supersonic aerofoil and wing theory.

- Course description change awaiting University approval
- (3-1-5)
- Prerequisites: MECH 331 and MECH 240.

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