

MECH 533. SUBSONIC AERODYNAMICS.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Kinematics: equations of motion; vorticity and circulation, conformal mapping and flow round simple bodies. Two-dimensional flow round aerofoils. Three-dimensional flows; high and low aspect-ratio wings; airscrews. Wind tunnel interference. Similarity rules for subsonic irrotational flows.

- (3-1-5)
- Prerequisite (Undergraduate): MECH 331

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