

MECH 510. ENGINEERING ACOUSTICS.

Credits: 3

Offered by: Mechanical Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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Description

Vibratory and acoustic disturbances propagated in homogeneous media. Modelling of acoustic systems using lumped-parameters. Simple sound wave fields, transverse waves in strings and bars, longitudinal waves in bars, and transverse waves in membranes, beams, and plates. Basic wave propagation phenomena and sound source models.

- (3-0-6)
- Prerequisites: MATH 271 and MECH 315
- Offered only in even years.

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