

Engineering Acoustics

Course Code:

ME 438

Course Type:

Area Elective

Credits:

3

Theoric:

3

Practice:

0

Laboratory Hour:

0

ECTS:

5

Prerequisite Courses:

Fluid Mechanics [1]

Course Language:

English

Course Content:

Vibrating systems. Acoustic wave equation, plane and spherical waves in fluid media. Reflection and transmission at interfaces. Propagation, radiation and reception of acoustic waves. Pipes, cavities, and wave guides; resonators and filters. Noise. Selected topics in physiological, environmental, and architectural acoustics.