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Essential Fundamentals:

Nature and generation of sounds, speed of sound, frequency and wavelength of sound wave, octave and third octave bands, pressure, intensity, , acoustic, power, sound pressure level, addition of pressure levels, calculation of average and overall SPL values of various sound pressure levels in enclosure, intensity and power levels, threshold of hearing and pain, loudness, phones and sons, sound level meters and frequency response weighing, networks, calculation the noise indoor and outdoor noise control engineering.

Environmental Noise and it ' s Evaluations:

Human reaction to noise, noise-induced hearing loss, age-related hearing loss, and need for noise criteria; international hearing damage risk; criteria, impulsive noise criteria, noise criteria dose and composite index, evaluation of hearing damage risk

Experiments:

Experiments and measurements of environmental noise.