

Distance Learning Program for Professional Education in Acoustics



Module 1 General Principles of Acoustics

Registration form

Content of Module 1, General Principles of Acoustics, This module provides an introduction and overview of the following topics – many of which will then be developed in subsequent modules.

Chapter 1 Basic concepts – oscillatory system, basics of wave systems, decibel scale, frequency analysis, hearing.

Chapter 2 Descriptors for time varying noise levels, L_{eq} , L_{DN} , L_{10} etc.

Chapter 3 Sound and hearing, noise criteria and noise rating, types of hearing loss.

Chapter 4 Behaviour of waves, source mechanisms (monopole, dipole etc), outdoor propagation, principles of barriers.

Chapter 5 Sound in spaces (small and large), reflection, absorption, reverberation time.

Chapter 6 Airborne sound insulation, standardised and weighted level differences, structure borne sound, impact sound.

Chapter 7 Vibration, undamped free oscillations, damped driven oscillations, displacement, velocity, acceleration, vibration control, damage to buildings, sensitive equipment, human vibration.

Chapter 8 Measurement microphones, analysis equipment, dosimeter, intensity probe, accelerometers, general measuring procedures.

Chapter 9 General noise control strategies, mechanical ventilation noise, hearing conservation obligations.

Timing

Module 1, General Principles of Acoustics, can be commenced at any time. The test will be available on a mutually preferred date as long as 4 weeks notice is given.

Assessment

On satisfactory completion of Assignments, Measuring Exercises (or alternatives) and Test

Registration

Registration includes notes provided electronically, assistance as necessary, marking and feedback on submissions, provision of test and certificate for successful completion.

Registration for Module 1 2023

General Principles of Acoustics

A separate form to be completed for each registrant

Title:..... Date:

Given Name:

Family Name:

Organisation

Postal Address:

Suburb:..... State:.....Postcode:.....

Country:

Telephone: (W)..... Mob

Email:

Registration Fee: please check box

Registration fee \$990 + \$99 GST = \$1089

AAS, NZAS, AAAC members with 2 or more in one booking \$880 + \$88 GST = \$ 968

Invoice from UNSW (ABN 57 195 873 179) will be raised following processing of this application form

Payment can be made on line using details on invoice for bank transfer or via credit card.

Details for Invoice if different from individual registrant details given above:

Name _____

Position _____

Address _____

Email _____ Phone (W) _____

Cancellation Policy: *If a registrant cancels within 5 working days of payment of the invoice a refund of the registration fee less \$100.00 administration fee will apply.*

ENQUIRIES and completed forms to Marion Burgess

Tel: 02 9387 1466 or 0402 240009

Email: education@aaac.org.au