



CALIBRATION OF WEIGHTS AND BALANCES

This one-day course covers the theory and practice of the calibration of weights and balances. It incorporates extensive hands-on practical exercises to demonstrate adjustment features and the effects of static, magnetism, vibration and draughts on balance performance.

Course Objectives

The course provides participants with knowledge and skills to:

- understand the principles of calibration of weights and balances
- identify various sources of error that affect the calibration of weights and balances

Course Outline

The topics covered include:

- general principles of mass measurement
- air buoyancy and conventional mass
- effects of the laboratory environment
- care and handling of weights
- calibration of electronic balances
- balance adjustment features
- user checks on balances
- reporting calibration data
- estimating measurement uncertainty¹



¹Participants with limited experience in estimating measurement uncertainty would benefit from first attending the one-day [Introduction to Estimating Measurement Uncertainty](#) course.

Past attendees have said...

“This course has given us the knowledge and skills to improve our capabilities and represent smaller uncertainties”

“We will apply the knowledge gained in the course to improve our measurement processes”

Course Details

Dates / Venue

Available dates are on our [website](#) and the venue is either NMI Lindfield (Sydney), 36 Bradfield Rd, or NMI Port Melbourne, Unit 1/153 Bertie Street.

Fee / Inclusions

Check the NMI [website](#) for the current price which includes lunch, refreshments and *Monograph 4: The Calibration of Weights and Balances*

Time

The course will start at 9 am and end by 5 pm.

Related Courses

Course name	Duration	Dates
Introduction to Estimating Measurement Uncertainty	1-day	See NMI website
Verifying non-automatic weighing instruments	E-learning 1-day face-to-face	See NMI website See NMI website

In-house Options

Training may be carried out at your premises for groups of 6+ on a fee for service basis. Consultancies provide advice regarding specific measurement issues or training in advanced measurement techniques. More information is found on our [website](#).

Contact Us

Phone (02) 8467 3796, or send an email to training@measurement.gov.au. For more information about NMI and to enrol, visit our website at <https://www.industry.gov.au/client-services/training-and-assessment>

