



## CALIBRATION OF WEIGHTS AND BALANCES COURSE

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 uncertainty<sup>1</sup>



<sup>1</sup>Participants 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](#).

### Fee / Inclusions

Check the NMI [website](#) for the current pricing.

All classes include a copy of *Monograph 4: The Calibration of Weights and Balances*

Face-to-face classes include lunch and refreshments.

### Time

Face-to-face course will start at 9 am and will finish by 5 pm.

Online course delivered over 2 days. See [website](#) for details.

### Related Courses

Course name	Duration	Dates
Introduction to Estimating Measurement Uncertainty	1-day	<a href="#">See NMI website</a>
Verifying non-automatic weighing instruments	E-learning	<a href="#">See NMI website</a>

### 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](mailto:training@measurement.gov.au). For more information about the National Measurement Institute, visit our [website](#).

