



METROLOGY SOCIETY OF AUSTRALIA CMM USERS GROUP

Sponsored by



Australian Government
National Measurement
Institute

Geometrical Dimensioning and Tolerancing (GD&T) Course

This course is for industry practitioners who either design, manufacture or measure parts and assemblies. Over the last 10 to 15 years the symbol language used for expressing tolerances in technical drawings has been expanded, modernised and internationalised. When understood and correctly used it unambiguously expresses the functional requirements of a part thereby avoiding problems. It also allows critical tolerances to be increased thus minimising scrap.

Course outline:

A 2-day course is being held in Sydney and a 3-day course is being held in Melbourne.

Sydney course

The topics covered:-

- symbols, definitions
- datums, datum systems
- tolerancing principles (ISO, ASME)
- maximum and least material requirements
- positional, projected and profile tolerances
- flexible parts
- tolerances of castings
- application examples
- sources of geometrical deviations
- recommendations for manufacturing
- inspections methods
- co-ordinate metrology

Course fees

\$790 for the 3-day course in Melbourne (\$745 for MSA members).

\$630 for the 2-day course in Sydney (\$585 for MSA members)

Course details

The courses will be held from 9 am to 5 pm on:

- 6 & 7 October 2009 at the National Measurement Institute, Bradfield Rd, Lindfield (Sydney)
- 12,13 &14 October at the National Measurement Institute, 1/153 Bertie St, Port Melbourne

Contact us

Phone (02) 8467 3815, or send an email to training@measurement.gov.au. For more information about the MSA visit our website at www.metrology.asn.au.

Melbourne course

The topics covered are those listed for the Sydney course, plus:-

- Geometrical Product Specification (GPS) fundamental concepts
- GPS specifications
- GPS geometrical features
- GPS extraction
- GPS partitioning
- GPS filtering
- GPS features and characteristics
- measurement equipment
- CMM acceptance tests
- measurement uncertainty