

# Educational Seminar #111: Introduction to Dimensional Gage Calibration

This 1-day classroom course is a blended learning opportunity to maximize the student's time in the classroom. Adapted from our popular 3-day Dimensional Gage Calibration course, this 1-day version utilizes Mitutoyo America's online video material, which is to be watched prior to attending the classroom course. By watching the videos in advance, the time together in the classroom can focus on hands on learning.

The course will thoroughly cover micrometer and caliper calibration, as well as touch on all types of indicators, and in addition, the course will build a base understanding of the principles in dimensional calibration such that the student can extend the concepts to other measuring equipment. This course also includes the opportunity for all students to complete the [Level 1 and Level 2 tests](#) necessary to earn Mitutoyo Certified Credentials in Dimensional Gage Calibration for micrometers and calipers. This testing is included at no extra charge and is particularly useful at demonstrating knowledge and skills to managers and auditors. For those from accredited calibration labs, this testing is also a recognized Proficiency Test.



**Prerequisites:** To be successful in this course, students should have prior experience using micrometers, calipers, and indicators (successful completion of Seminar 101 satisfies this prerequisite). Students are also required to watch approximately two hours of free instructional videos prior to attending this seminar. Students who do not meet these prerequisites may struggle with this course.

**Pricing:**

Course	No. of Days	Advanced Price	Standard Price
Seminar 111: Introduction to Dimensional Gage Calibration	1	\$ 890	\$ 995

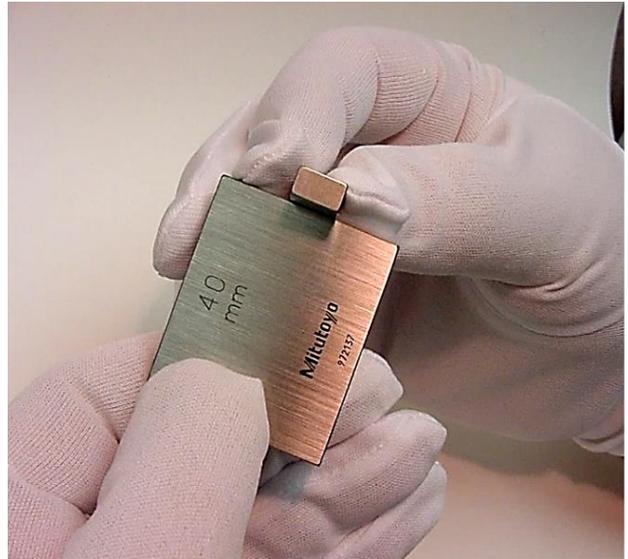
- Advanced pricing applies when registration is completed more than 2 weeks prior to the class starting.
- The pricing includes the Level 1 and Level 2 tests to earn the Certified Credentials in Dimensional Calibration: General Concepts, Micrometers, and Calipers (a \$325 value).
- A discount of 10% is available when registering more than two students for the same course.
- For cancellation information, please visit our website at [www.mitutoyo.com/education](http://www.mitutoyo.com/education).

**Registration:** For questions or registration, please contact the Mitutoyo America Education Department at 888-MITUTOYO (option 6) or direct at 630-723-3620. Office hours are 8:30 am to 5:00 pm Central Time. We can also be reached via email at [mim@mitutoyo.com](mailto:mim@mitutoyo.com). Purchase orders can be faxed to 630-978-6471.

# Dimensional Metrology Curriculum

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Dimensional metrology – the science and practice of dimensional measurement – is one of the fundamental educational series of the Mitutoyo Institute of Metrology. The full curriculum consists of free online educational material and videos plus a series of independent classroom courses that cover all aspects of dimensional measurement and inspection, from calipers to gage blocks to coordinate measuring machines. Students can choose which courses are most relevant and create their own unique educational experience. Our modern dimensional metrology curriculum is for anyone wanting to learn about dimensional measuring equipment and strategies for implementation, including selection, application, calibration, and care of dimensional measuring systems. Principles and practice are taught with a hands-on experiential learning approach to engage the students and promote retention of the concepts.



Four independent classroom courses are currently available in our Dimensional Metrology series:

- **Seminar 101: Dimensional Measurement with Precision Measuring Equipment**
- **Seminar 111: Introduction to Dimensional Gage Calibration**
- **Seminar 215: Dimensional Measurement with CMMs, Vision, and Form Instruments**
- **Seminar 216: Dimensional Metrology Quality**

Many students may wish to take all four courses in sequence and therefore we try to provide a schedule that makes that possible. Seminars 101 and 111 are frequently offered together in a 3-day sequence. Similarly, seminars 215 'Dimensional Measurement with CMMs, Vision and Form Instruments' and 216 Dimensional Metrology for the Quality Professional' are frequently offered together.

Students looking for a more in-depth dimensional calibration course are encouraged to explore our 3-day [Seminar #114 Dimensional Gage Calibration](#), which is only available at the Metrology Training Lab at the headquarters of Mitutoyo America in Aurora, Illinois.



**Comprehensive Curriculum:** The Mitutoyo Institute of Metrology offers a number of courses to meet the educational needs of manufacturing, quality, and measurement professionals. Our course are scheduled regularly throughout the year.



Mitutoyo and the Mitutoyo Institute of Metrology is a worldwide organization. We are proud to state that more than 200,000 engineers, technicians and managers have attended our measurement seminars over the years. If you wish to register or if you have additional questions, please contact us at 630-723-3620, 888-MITUTOYO, or email [mim@mitutoyo.com](mailto:mim@mitutoyo.com). Please visit our website for cancellation information at [www.mitutoyo.com/education](http://www.mitutoyo.com/education)