

Northern New Mexico Section of ASME Int'l presents its **GEOMETRIC DIMENSIONING and TOLERANCING COURSE**

Fundamentals, Interpretation and Applications

DATES, TIMES AND LOCATION: November 8, Monday 8:00 to 12 noon
November 9, Tuesday 8:00 to 5:00 PM
November 10, Wednesday 8:00 to 12 noon

The classroom is located in the Research Park (Motorola) Bldg. TA-3-4200, Room 203A.

COURSE DESCRIPTION: “Geometric Dimensioning and Tolerancing” (GD&T) provides the basis for defining and communicating engineering design specifications. This course focuses on methods to improve communication among engineers, designers, manufacturing and inspection. The 16-hour course is a complete and thorough introduction to the ASME Y14.5M Standard and includes practical application exercises. This course is geared to those individuals with little to moderate experience with GD&T.

INSTRUCTOR: The instructor, Tony Cimabue, is a Geometric Dimensioning and Tolerancing Professional certified by ASME in accordance with the qualification ASME Y14.5.2. Tony has over 30 years of professional experience applying geometric dimensioning and tolerancing to complex design problems at Los Alamos National Laboratory and in private industry.

OBJECTIVES:

- Introduce the concepts, rules and language of the ASME Y14.5M-1994 standard
- Enable participants to understand and apply the GD&T symbology
- Provide participants with knowledge for proper Datum selection and specification
- Understand the definitions and effects of Material Condition Modifiers
- Calculate functional tolerances for fasteners
- Introduction to inspection techniques and functional gage design

WORKBOOK (Provided): *Geometric Dimensioning and Tolerancing* by Al Neumann with references to the *ASME Y14.5 Standard*.

Recommended: *ASME Y14.5M Standard – 1994 Dimensioning and Tolerancing*

WHY ATTEND? Your drawings have GD&T on them (or maybe they are supposed to)! If you have been attempting to work with GD&T but lack the confidence to set up specifications or have trouble interpreting a specification, this course is for you. Using GD&T improperly can be worse than not using it at all! This course is designed for drafters, designers, engineers, machinists and inspectors.

COURSE CREDIT: 1.5 CEU (15 PDH)

PREREQUISITES: Working understanding of engineering drawings or blueprint reading

COURSE FEE:

	Course with Workbook only	Course with Workbook and <i>ASME Y14.5M Standard</i>
ASME Member	\$600	\$700
Non-member	\$750	\$850

REGISTRATION: See attached forms or contact Anne Browning, preferably at nnm-asme@cybermesa.com, or by phone at 505-470-7379 between 9 and 5 for registration information.

REGISTRATION INFORMATION

GEOMETRIC DIMENSIONING and TOLERANCING COURSE

Fundamentals, Interpretation and Applications

DATES, TIMES AND LOCATION: November 8, Monday 8:00 to 12 noon
November 9, Tuesday 8:00 to 5:00 PM
November 10, Wednesday 8:00 to 12 noon

The classroom is located in the Research Park (Motorola) Bldg. TA-3-4200, Room 203A.

REGISTRANTS:

1. Please complete the registration form on the following page and send it to Anne Browning at the address provided below or e-mail the form to nnm-asme@cybermesa.com. Payment need not accompany registration form.
2. You should receive an e-mail confirmation that you have a slot reserved once we have received and processed your registration form.
3. Register early because we have only 25 slots.
4. We should receive payment before October 29, 2004. **Payment should be sent to:**

**NNMASME Section---Class Registration
PO Box 119
Los Alamos, NM 87544**

LANL-EMPLOYEE REGISTRANTS:

A check for the course fee can be obtained through your group by submitting a memo with the following information to Melissa Chavez (CFO-1 / Contract Accounting) at MS-P240:

Payee: ASME - Northern New Mexico Section

Payee Address: PO Box 119, Los Alamos, NM 87544

Tax ID #: ASME 02-181670-00-0

Check Amount:

Name of Attendee:

Z#:

Cost Code:

Program Code:

Course Title: Geometric Dimensioning and Tolerancing

Course Date: November 8, 9 and 10, 2004; 8:00 – 12:00 (T, Th) and 8 – 5 (W); total of 16 hours

Course Description: “Geometric Dimensioning and Tolerancing” (GD&T) provides the basis for defining and communicating engineering design specifications. This course focuses on methods to improve communication among engineers, designers, manufacturing and inspection. This 16 hour course is a complete and thorough introduction to the ASME 14.5M Standard. The course also introduces practical application exercises. This course is geared to those individuals with little to moderate experience with GD&T.

Justification:

Once you receive the check, please mail it to the address given above.

ASME - NORTHERN NEW MEXICO SECTION CONTACT:

Anne Browning

Phone: 505-470-7379, okay to leave a message

E-mail: nnm-asme@cybermesa.com

REGISTRATION FORM
For November 8, 9, and 10 of 2004
GEOMETRIC DIMENSIONING and TOLERANCING COURSE
Fundamentals, Interpretation and Applications

Name: _____

ASME Member? No___ Yes___

If yes, your ASME membership number _____

Company: _____

Street _____

City _____ State _____ Zip _____

Phone: (_____) _____

Email: _____

COURSE OPTION AND FEE (Fee includes coffee and Danish at 7:45AM in the classroom.):

Please highlight your choice.

	Course with Workbook only	Course with Workbook and ASME Y14.5M Standard
ASME Member	\$600	\$700
Non-member	\$750	\$850

NOTE: Course fee must be received by October 29, 2004

Class Location and Schedule

GEOMETRIC DIMENSIONING and TOLERANCING COURSE

Fundamentals, Interpretation and Applications

DATES, TIMES AND LOCATION:

November 8, Monday 8:00 to 12 noon

November 9, Tuesday 8:00 to 5:00 PM. Lunch on your own. Hot Rocks Java Café is downstairs.

November 10, Wednesday 8:00 to 12 noon

The classroom is located in the Research Park (Motorola) Bldg. TA-3-4200, Room 203A.

DIRECTIONS:

The course will be held in Room 203A of the Research Park building (Technical Area 3, Building 4200) at Los Alamos National Laboratory. From Diamond Drive, turn west onto HWY 501 (West Jemez Road). At the traffic light just past the Fire Station (Bldg. 41 below), turn right. As or after you turn, the Research Park building is to the left. Continue past the building to the parking area off to the right. Remember to put your Parking Permit in the window. *Parking Permits are required and will be emailed to each attendee before the first morning of class.*

