

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

**Fundamentals, Interpretation and Applications**

**DATES, TIMES AND LOCATION:** March 24, 25, 26, and 27, 2008

**Monday, 8:00 AM to noon**

**Tuesday, 8:00 AM to noon**

**Wednesday, 8:00 AM to noon**

**Thursday, 8:00 AM to noon**

The class will probably be held in the Research Park Bldg., TA-3-4200. **Please check back for confirmed location.**

**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.

**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

**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, inspectors and quality assurance (QA) personnel.

**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.

**PREREQUISITES:** Working understanding of engineering drawings or blueprint reading

**COURSE CREDIT:** 1.5 CEUs (15 PDHs)

**COURSE FEES:**

	Course including workbooks	Course including workbooks & ASME Y14.5M Standard
ASME Member	\$750	\$895
Non-member	\$900	\$1045

**WORKBOOK:** *Geometric Dimensioning and Tolerancing* by Al Neumann with references to the ASME Y14.5 Standard will be provided.

**RECOMMENDED REFERENCE BOOK:** *ASME Y14.5M Standard – 1994 Dimensioning and Tolerancing* may be purchased when enrolling in class.

**REGISTRATION:** Click on link to Acteva with a Lab purchase card/major credit card in hand. **For questions, contact Anne Browning, preferably by email: nnm-asme at cybermesa.com,** or by phone at 505-470-7379 between 9 AM and 5 PM.

# REGISTRATION and MISCELLANEOUS INFORMATION GEOMETRIC DIMENSIONING and TOLERANCING COURSE LEVEL I

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For directions to the Research Park: <http://sections.asme.org/nmss/dirms.html>

**NOTE: You should register only online through Acteva.** Click on link to Acteva below with a purchase card/major credit card in hand. **For other option, see 4 below.**

### REGISTRANTS:

1. Register soon to ensure that materials can be ordered in a timely manner. The purchase card holder can register multiple people at once but should be sure to give Email Address, Address (Group number and Mail Stop if LANL employee/contractor) and Phone Number for each person registering. If the class is full, register under the wait list option, which doesn't require immediate payment. If slots become available, we will notify you. If that doesn't happen, we will email you in advance of the next offering. If less than six register, we will cancel the class and give those registered a full refund.
2. **You will receive a confirmation from Acteva that you have a slot reserved and paid for once credit card and registration information is received and processed. Make sure your name is on this.** Keep a copy of the Acteva confirmation for your records.
3. LANL personnel: Please use a group purchase card.
4. Non-LANL personnel may pay by check but should register promptly to reserve a space. Email Anne Browning for information on how to register when paying with check.
5. **If you have any special needs or questions, please contact Anne Browning,** giving a minimum of name and phone number repeated slowly.

**Snacks: We provide handheld breakfast burritos from Hot Rocks each morning at 7:45AM and daily snacks of trail mix and such in the classroom. Coffee/tea/hot water and ice water are available throughout the class. If they run low, students should feel free to take empty carafes or pitchers directly to the cash register at Hot Rocks for a refill.** Anne will send an email reminder about the class on the Thursday or Friday before class. This will be the chance to specify choice of breakfast burrito or other breakfast items for the first class: Bacon/Chorizo/Ham/Sausage/Veggie, Red/Green and any other special requests, like chili on the side.

**Parking Permits:** Parking Permits are no longer required but please don't park in spaces designated *Visitor*. You do not qualify for this short term parking and you could be towed.

**NORTHERN NEW MEXICO SECTION – ASME address:**

NNM Section – ASME  
PO Box 119  
Los Alamos, NM 87544

**NORTHERN NEW MEXICO SECTION – ASME Contact:**

Anne Browning

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

E-mail: nnm-asme at cybermesa.com Replace *at* and spaces with @

**To register now, click on the link below or paste the address into your web browser.**  
<http://www.acteva.com/booking.cfm?bevaaid=153312>