

**DE ANZA COLLEGE -  
BUSINESS/COMPUTER SYSTEMS DIVISION  
DESIGN AND MANUFACTURING TECHNOLOGIES DEPARTMENT  
GREEN SHEET FOR Fall 2015**

Course: DMT 52

Geometric Dimensioning and Tolerancing Instructor:

Mr. Robert Benzio

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Office Hours: Rm.E35 4:30 pm – 5:30 pm

Rm. E35

Online through Catalyst, email,

Also can schedule Phone and Conference through [ccconfer.org](http://ccconfer.org)

Class: Friday, 5:30 pm – 9:20 pm

**Text & Reference:** [Geometric Dimensioning and Tolerancing 9th Edition](#) By: David A. Madsen and David P. Madsen

**Overview:** • 3:40 hour's lecture/laboratory

per week.

- Fundamentals of Geometric dimensioning and tolerancing.
- Compare and contrast the coordinate and geometric dimensioning and tolerancing system.
- Identify and interpret the geometric dimensioning and tolerancing symbols.
- Interpret and construct feature control frames.
- Explain the use of datums.
- Describe the characteristics and conditions for non-position feature tolerances.
- Determine the appropriate use of symbols for indicating position tolerances.
- Compare contrast the ANSI Y14.5M and ISO symbols.

**Student Learning Outcome:** This course is to educate and assist students, designers, engineers, and professionals in the fundamental use of GD&T through a series of CAD design work, print reading exercises and homework. The hands on work shall include:

- Numerous activities to create parts and 2-D drawings of the parts.

The document, generated from CAD files will be submitted digitally.

- The native CAD file and a PDF file of the drawing CAD file.
- Completed test and print reading forms that are submitted.
- Other files/documents if asked by your instructors.

**Attendance: Attendance at all classes is expected.** While the student's attendance record is not part of his/her grade, the work load is designed to make **full** use of the hours allocated for this class. That is to say, if a student doesn't put 4 hours of work per week on the subject matter, he/she cannot expect to finish the assigned work by the end of the quarter. Attendance will be taken once every session. **It is the student's complete responsibility to drop this class. I will not drop anyone from the class.**

**Homework:** Our textbook is also a workbook and much of the work to be done is included in the textbook. We will also create new simple drawings from handouts provided in class. The drawings may be created in any of the CAD software or with drafting tools on paper. Lab time will be provided and the student may use any software or hardware to complete the assignment.

**Grading:** The student's grade for this course is based upon the submittal of the Chapter tests, print readings, drawings and final examination.

1. Accuracy; Is the data required correct?
2. Clarity; No confusing or unnecessary data.
3. Completeness; Are all necessary features and/or dimensions present?

**Basis for Grade:** Chapter Tests, and Print Reading Exercises: 40%  
Drawings: 30%  
Final Exam: 30%

100-97%	A+
96-93%	A
92-90%	A-
89-85%	B+
84-80%	B
79-76%	B-
75-72%	C+
71-68%	C
67-61%	D+ The College doesn't allow for a C-
60-57%	D
56-53%	D-
< 53%	F. All exams must be taken to receive a passing grade.