DE ANZA COLLEGE -
BUSINESS/COMPUTER SYSTEMS DIVISION
DESIGN AND MANUFACTURING TECHNOLOGIES DEPARTMENT
GREEN SHEET FOR Winter 2025

Course: DMT 52 Geometric Dimensioning and Tolerancing: CAD Applications
Course Number: DMT D052.63Z (Online) CRN: 33807
Instructor: Mr. Robert Benzio
Office Phone: (408) 203-0457 (cell) E-mail: benziorobert@fhda.edu
Office Hours: Mondays Rm. E25 5:00 pm – 6:00 pm
Online through Canvas, email, Also you can schedule Phone and Conference through zoom.

Class: Lecture Friday, 6:00 pm – 6:50 pm live lecture through zoom Rm. Online/recording
Lab Rm. online

Text & Reference: Geometric Dimensioning and Tolerancing **10th Edition** By: David A. Madsen and David P. Madsen, Dennis A. Schwartz

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 maybe taken once every session. **It is the student's complete responsibility to drop this class. I am required to drop anyone from the class if they have not attended class or did not complete work during the Censes period (The Censes drop is a mandate from the college and State of CA).**

Ways you will hear from Me are:

I will be holding a live lecture for each class. This lecture will be presented over zoom and live in person simultaneously at the scheduled time of my in-class session. At this time, I will also be fielding questions not just from the classroom but from those online that are in attendance. After the lecture the recording of the lecture will be postprocessed and uploaded to the link provided on canvas in the class canvas shell.

As for feedback on drawings I will be submitting the feedback in the comment section of the assignment depending on the complexity you may receive a simple written statement, audio recording, or a video demonstrating what is wrong and what you should have done

different. Due to work outside of my teaching I try to respond within 72 hours but sometimes that is not always feasible so I will try to keep it to the 72 as best I can.

Periodically through the quarter I will send messages through the announcements in canvas reminding people of work that needs to be turned in if I see that a lot of students are falling behind. Also, in the announcements if there is any important dates like holidays or if class is cancelled for the day it will be posted there as well. So, it is your responsibility as students to periodically check the announcements and/or email that you used to register for this class.

I will also contact students privately in emails if they are falling behind and request that they show up for in zoom meeting to discuss any issues that they might be having.

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.