

Professor: Greg Watkins, Ph.D., PE

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Office Hours: 2:00 to 4:00 Tuesday, Wednesday, & Thursday

Course Description: Drawing standards, geometric dimensioning and tolerancing, working drawings, product data management, intermediate solid modeling, introduction to Rapid Prototyping and specialized graphic applications.

Prerequisites: MECH 100 and MECH 100L

Textbook: Bertoline & Wiebe, *Technical Graphic Communication*, Third Edition, McGraw Hill

Class Meetings: Section 01 – Lecture – Tuesday – 8:00 to 8:50 – Plumas 106
Section 02 – Lab – Thursday – 8:00 to 10:50 – O'Connell 438
Section 03– Lab – Friday – 11:00 to 1:50 – O'Connell 438

Lecture: 50 minute PowerPoint presentation:

- Notes, key points, weekly assignments

Lab: 2 hour 50 minute lab period:

- Separate in-class lab assignment
- Time to work on weekly assignments
- Opportunity for general questions and one-on-one help

Course Materials: Required course materials include textbook, sketch pad (engineer's pad works well for this), and storage media such as a flash drive.

Grading:	Weekly assignments	40%
	In-class lab assignments	10%
	Midterm project	20%
	Final project	30%

Weekly Assignments: Assignments made at end of each week's lecture, due at beginning of following week's lecture. Some work time available during lab meetings.

- In-Class Lab Assignments:** Brief assignments made at beginning of lab period, due before end of lab period. Graded pass/fail. No show is no grade; no exceptions.
- Project Work:** Two major projects are planned for the course. The midterm project is a reverse engineering assignment while the end-of-semester project requires construction, rendering, animation, and presentation of a complex assembly.
- Assignment Submission:** Assignments will generally be submitted via hardcopy. Multiple pages should always be stapled together. Your name and lab section number (02 or 03) are required on all submitted work. Failure to follow these simple instructions may result in a letter grade reduction on the assignment. Electronic submission may be requested for certain assignments, and if utilized, will be handled via the Vista course management system.
- Late Work:** Weekly assignments are due at the **beginning** of the next lecture period. If you are late to class, your work is late. Assignments will be accepted the same day with a letter grade deduction. Assignments will not be accepted after their due date.
- Vista:** This course will make use of the Vista course management system. All lectures, handouts, assignments, grades, announcements, etc. will be available on the course Vista page. It is highly recommended that you visit the course Vista page regularly.
- Email:** In the event I choose to contact members of the class via email, it will be done via your WildcatMail account. University policy requires students to monitor their WildcatMail accounts. If you have another preferred email address, you may set up automatic forwarding of your WildcatMail to that address. Details are available at www.csuchico.edu/stcp/email.
- Academic Integrity:** By their nature, computer based assignments lend themselves to easy copying and sharing. Any sharing of electronic data constitutes a violation of the university's academic integrity policy and will not be tolerated. Violations will be referred to student judicial affairs and can result in penalties ranging from failure of the course to long term suspension from the university.
- Cell Phones:** Simple request: *Turn them off*. A ringing phone will result in dismissal from that day's class. Any subsequent assignments (such as in-class lab assignments) are forfeited with a zero grade.