



MECH 100 Course Syllabus (Revised)

MECH 100- Graphics 1 – 2.0 Units

Course Times:	Lecture	M	12:00 – 12:50 PM	PLMS 201
	Lab	M, R	2:00 – 4:50 PM	OCNL 438
		W	8:00 – 10:50 AM	OCNL 438

Instructors: Professor Joe Greene (jpgreene@csuchico.edu)

Office:	Location-	O'Connell 422 – Phone: 898-4977
	Hours	T 2 – 3:50 PM W 11 – 11:50 AM

Course Objective

Provide students an introduction to the mechanical design process and the SolidWorks CAD program

Textbook

Technical Graphics Communication, 3rd Edition, Bertoline, Irwin/McGraw- Hill, 2003

Computer Resources

The software will be available on ONCL 438 and on the computers in LANG 118. The student is expected to obtain an ID for the machines.

Examinations

Exams and quizzes for this course will consist of written exams and computer modeling. Unit tests must be made up within one week if you are absent. Make arrangements with your instructor.

Class Participation and Computer assignments

Class attendance is required. Analysis projects will be handed out during the lab session. Basic competencies in the class must be demonstrated by successful completion of Lesson 5. The basic competencies include proficiency in graphical communications and utilization of the SolidWorks graphics tool. Failure to successfully complete Lesson 4 will result in student receiving a failing grade in the course. All assignments must use the department standards to format the CAD drawings. Late work will lose 10% for each week late up to 3 weeks. Each student is responsible for doing his/her own work; **violation will result in removal from the course and a failing grade.**

http://www.ecst.csuchico.edu/_depts/mem/Drawing_Standards.html

Homework

You will need to read the assigned textbook chapters for each topic before the lectures each week. You should expect to spend at least 4 hours per week outside of class reading and doing homework. Late work will lose 10% for each week late up to 3 weeks.

**Grading***

1 Midterm exam	20%
1 Final exam	20%
Homework	10%
Analysis Projects	<u>50%</u>
	100%

* **Note:** Failure to successfully complete Lesson 4 will result in student receiving a failing grade in the course.

Schedule

<u>Week (of)</u>	<u>Topics</u>	<u>Reading</u>
1 (Aug 27)	Introduction to Graphics Communication	Chapter 1
2 (Sept 3)	Engineering Design Process	Chapter 2
3 (Sept 10)		
4 (Sept 17)	Working Drawings	Chapter 19
5 (Sept 24)	Dimensioning and Tolerancing	Chapter 15
6 (Oct 1)		
7 (Oct 8)	Three Dimensional Modeling	Chapter 7
8 (Oct 15)	MIDTERM in Lab	
9 (Oct 22)	Multi View Drawings	Chapter 8
10 (Oct 29)		
11 (Nov 5)	Auxiliary Views	Chapter 11
12 (Nov 12)	No class- Monday	
13 (Nov 19)	University Holiday week	
14 (Nov 26)		
15 (Dec 3)	Section Views	Chapter 14
16 (Dec 10)	Final Project- In class	

Final Exam Wednesday December 19 at 12 – 1:50 PM PLMS 201