REEDLEY COLLEGE
REEDLEY, CALIFORNIA

INDUSTRIAL TECHNOLOGY DEPARTMENT
MANUFACTURING TECHNOLOGY CERTIFICATE PROGRAM

MFGT 36 BLUEPRINT READING

INSTRUCTOR: Mr. Nix

MESSAGE PHONE/EMAIL:

DESCRIPTION: Blueprint Reading - 2 units, 5 hours weekly, 9 weeks.

REQUIRED MATERIALS:

1. Textbook: BASIC BLUEPRINT READING AND SKETCHING
   Eighth edition, DELMAR, 2005
2. Ring binder: standard 3 ring.
3. Calculator: battery or solar powered.
4. Other materials: Scantrons, Quizstrips, 6" ruler, a #2 pencil (or equiv.)
   a compass and a soft eraser.

COURSE OBJECTIVES:

1. Upon completion of this course, the student will be able to:
   a. determine the size, shape, type of material and finish requirements for standard manufacturing drawings.
   b. to make sketches and working drawings with enough detail and dimensioning to enable him or her to manufacture the part from the drawings.

METHODOLOGY:

Students will be expected to read the material in the chapters, complete and turn assigned problems in to the instructor, and be prepared to discuss the assigned chapters. Lectures will serve the purpose of clarifying and expanding the reading material.

ELECTRONIC DEVICES:

1. Cellular phones MUST BE OFF!

2. Pagers MUST BE OFF!

ATTENDANCE:

1. You need to attend class regularly and participate in your class. Class participation will be 47 points of your total grade.

2. Dropping from this class is YOUR RESPONSIBILITY. Failure to drop could result in a grade being issued. Remember to turn in a drop slip if you stop attending class. *The drop deadline is Wednesday, Feb. 7, 2007.*

3. Two tardies are equal to one absence. Two (2) absences and you will be dropped from the class.

EXAMINATIONS:

1. There will be two (2) examinations: (Fall 2006)

EXAM	DATE	Material covered
1.	Sept. 15	Units 1-19
2.	Oct. 13	Units 26,29,31-33, 37-41.

POINTS:

1. 2 Exams at 200 points each	=	400 points
2. 5 Quizzes at 20 points each	=	100 "
3. Workbook problems	=	1553 "
4. Class participation	=	47 "
Total possible	=	2100 points

POINTS SCALE:

1890 – 2100 = A
1680 – 1889 = B
1470 – 1679 = C
1260 – 1469 = D
Below 1260 = F

ADDITIONAL POLICYS AND PROCEDURES

To determine your level of progress at anytime, divide your accumulated points by the total points possible up to that week. Look at the assignment sheet on page 5 to find the homework points listing. If you have trouble in determining your grade level please ask the instructor to help you.

The following are considered **Disruptive Behaviors** that is behavior that interferes with the learning environment—for which you may be dropped from the class.
Use of profanity, voice recorders, food, liquids (sodas or water), pagers or cell phones. In an emergency the campus police will come to our classroom and notify a student of a particular situation.

Turn your cell phones and pagers **off or better yet, leave them in your car.** If your cell phone goes off in the classroom, it is disruptive to not only you but to everyone else.

Gentlemen, please remove any hats or caps when entering the classroom.

If you have a verified need for an academic accommodation, per the **Americans with Disabilities Act (ADA),** please contact me or **Disabled Student Services** at (559) 638-0332 as soon as possible.

Homework assignments shall be done in **pencil only, no ink is acceptable**. Also, any homework turned in late will receive only half credit, unless you are excused because of an illness or other excused circumstances.

COURSE OUTLINE
MFGT – 36

WEEK	SECTION	AGENDA
1	Lines	Lecture: Alphabet of Lines, Hidden, Center, Extension and Projection lines
2	Views	Lect: Arrangements – one, two, three and Auxiliary views.
3.	Dimensions and Notes	Lect: Size and Location, cylinders, holes and angles, arcs and tolerance, dimension, thread and notes.
4.	Tolerances	Lect: unilateral and bilateral tolerances on dimensions.
5.	CNC and Welding drawings	Lect: Datums, ordinate and tabular dimensioning, and welding symbols.
6.	Sketching	Lect: Lines, basic forms, and pictorial drawings.
7.	Stretchouts	Lect: Parallel and radial developments.
8.	Working drawings	Lect: Perspective sketches

ASSIGNMENT SHEET

WEEK	SECTION	READING	WORKBOOK	PTS
1	Lines	Units 1-4 pg 1-18	Unit 1 worksheet, & BP-2, 3, 4A, 4B	128
2	Views	Units 5-9 pg 19-49	BP-5A, 5B, 6, 7A, 7B, 7C, 8A, 8B, & 9	321
3	Dimensions and notes	Units 10-14 pg 50-75	BP- 10, 11, 12, 13, & 14.	260
4	Tolerances	Units 15-19 pg 76-107	BP- 15, 16, 17, 18, & 19.	309
5	Welding and CNC drawings	Units 26 & 29 pg 145-149 pg 168- 177	BP- 26, 29A, 29B	182
6	Sketchings	Units 31-33 pg 191-209	BP- 31A, 31B, 32A 32B, 32C & 33	150
7	Stretch-out	Units 37-39 pg 221-233	BP- 37A, 37B, 38 & 39	127
8	Working drawings	Units 40 & 41 pg 234-241	BP- 40 & 41	76
9	Final Test			
		Total Points		1553