

CAD I
COURSE SYLLABUS
MR. JONES
431-2616 EXT.4143

Course Description: COMPUTER AIDED DESIGN (*CAD*) is a full year, entry-level laboratory class designed to offer students background information and hands on experience in conventional drawing and high-tech computer aided design. Students will create drawings emphasizing the areas of single dimension drawings, geometric construction, multi-view projection, ANSI lettering, dimensioning, and pictorial views.

Conventional drawing techniques will be established allowing students to then advance to AutoCAD LT. The focus of the class will be to introduce and train students using AutoCAD LT.

Instructional Philosophy: The teacher will demonstrate the basics of each set of drawings by using the overhead projector and using the book for guidelines.

Major Course Goals: The course goals are as follows:

- Know and understand the importance of Computer Aided Design.
- Develop the fundamentals needed in Computer Aided Design.
- Develop geometric construction problems.
- Develop multi-view projection drawings.
- Develop ANSI dimensioning techniques.
- Develop sectional views.
- Develop auxiliary views.

Major Course Objectives/Benchmarks by Quarter:

1st Quarter:

- Develop the basic skills needed for CAD
- Geometric construction problems

2nd Quarter:

- Develop multi-view projection drawings
- Develop ANSI dimension techniques

3rd Quarter:

- Develop sectional views
- Develop auxiliary views

4th Quarter:

- Technically describe a working drawing

Major Course Projects and Instructional Activities: Major course projects will be given at the end of every quarter. These projects will be used to assess if each student is many the standard for each quarter.

Required/Recommended Readings:

Spencer, C., Henry & Dygdon, T., John, (1980).
Basic Technical Drawing. New York: Macmillan Publishing Co., Inc.

Course Assessment Plan: Students will be graded daily on classroom participation. Along with daily grading students will be graded on a weekly basis as well. These assignments will be given on a Monday and collected and graded at the end of the week. Most drawings will be graded on a 20-point scale. Grades will be figured on a quarterly total point basis. Failure to come to class and completing assigned work will dramatically affect quarter grades.

Classroom Expectations: Students should be in their seat and ready to work before the bell rings. All behavior expectations are described in Central R-3 Student Handbook.

Supplies and Materials Needed:

- 10 floppy disc
- 3 ring binder
- pencil
- Notebook specifically for Auto Cad

STUDENTS WILL ALSO BE REQUIRED TO COMPLETE AND FILE THE DISTRICT TECHNOLOGY USER’S AGREEMENT PRIOR TO ANY WORK.

Homework Policy and Grading Scale: Please refer to the Student Handbook for the Homework Policy. The grading scale is as follows:

A.....	100-95	C.....	76-73
A-.....	94-90	C-.....	72-70
B+.....	89-87	D+.....	69-67
B.....	86-83	D.....	66-63
B-.....	82-80	D.....	62-60
C+.....	79-77	F.....	59-0

Extra Help: If extra help is needed the teacher will be in the Auto Cad laboratory at 7:15 every morning. Since I am assigned to high school and middle school campuses no extra help after school will be available.

Time and Place to be Reached by Parent: If parents need to contact me you can reach me by calling Central R-3 High School.