

## *Intro to CAD/Engineering Graphics – Mr. James*

# **Expectations and Standards**

### **Course Description:**

Computer Aided Design (CAD) uses software that enables highly accurate drawings to be created on a computer, replacing “paper & pencil” drafting methods. The CAD software being used is AutoCAD, a very popular and powerful software package widely used throughout industry and institutions of learning. The first semester covers various 2-dimensional designs, including architectural (floor plans) and mechanical part design. If time permits, students will also be able to explore 3-dimensional drawing techniques including wire frame modeling, surface modeling, and solid modeling.

The second semester will follow-up with Engineering Graphics, also known as ACE CAD. It consists of the same material used by the 3-credit hour course (MECH 1050) offered by Corning Community College and can be used for college credit. This course continues with more instruction in CAD, but it includes a strong emphasis on freehand sketching and drafting practices, incorporating principles of applied geometry, multi-view drawings, dimensioning, sectioned views, pictorials, conventional drawing practices and standards.

### **Grade Standards:**

25% Participation (attendance, behavior, etc.)

25% Independence (not needing help from teacher or others)

50% Assignments and Exams

### **Classroom Expectations:**

- In class on time
- Attention during instructional time
- Focus and on-task during class work time
- Follow directions the first time given

### **Academic Honesty:**

Cheating will result in a grade of zero and parental notification for any involved.

Failure to meet these expectations will result in a lower participation grade, parental notification and other appropriate consequences as determined by teacher.