

DRAFTING AND DESIGN I/II

***Course Expectations 2016-2017
Mr. Clark Hardy
Room #301***

Course Scope:

This one-year course introduces the student to the fundamentals of mechanical and architectural drawing as related to Computer-Aided Drafting and Design (CADD). This course provides students with the knowledge and practice required to produce and analyse multi-view and pictorial drawings, dimensioning, auxiliary views, and intersections. Instructional practices incorporate integration of diversity awareness including appreciation of all cultures and their important contributions to society. The appropriate use of technology is an integral part of this course. This course fulfils one of the elective credits required for high school graduation.

Course Goals:

1. To demonstrate proficiency in computer operation and use of CADD software. [NS: CAD 2.0-4.0]
2. To demonstrate sketching and freehand lettering skills. [NS: CAD 1.0, 5.0]
3. To demonstrate skills in basic CADD drawing techniques and data manipulation. [NS: CAD 2.0-4.0]
4. To develop the mathematical competency required to construct basic geometric and integrated shapes into CADD drawings. [NS: CAD 1.0-4.0]
5. To demonstrate orthographic projection, auxiliary and sectional views, and pictorial drawings of fasteners, cams, and gears. [NS: CAD 1.0, 4.0, 5.0]
6. To develop drawings that meet industry standards. [NS: CAD 1.0, 4.0-6.0]
7. To practice time management, efficient use of resources, and quality of work. [NS: CAD 5.0, 6.0]
8. To explore career opportunities, employability skills, career development, and job retention within the CADD industry. [NS: CAD 1.0, 3.0-6.0, 6.9]

Grading:

Semester Grading System: 1st and 2nd Quarter 80% Semester Exam 20%
3rd and 4th Quarter 80% Final Exam 20%

Quarter Grading System: Projects/Assignments/Tests-----70%
Work Place Readiness Skills-----30%

A-100-90
B-89-80
C-79-70
D-69-60
F-59-0

Projects: Students will be assigned various projects throughout the year.

Assignments: Principles taught will be reinforced through lab assignments and classroom assignments.

- Tests:** Tests will be given at the end of each unit along with semester and final exams.
- Make up work:** It is the students' responsibility to initiate contact with the teacher when assignments are missed. Students must complete and turn in all make-up work within three instructional days following an absence.
- Class Policies:** cell phones, I-pod, or any other nuisances' items will not be allowed in the classroom. If seen or heard in the classroom they will immediately be confiscated and taken to the Dean's office.
- This class will follow the school mandated tardy policy. A student is considered tardy if he/she is not in their proper seat when the bell rings
- This class will follow the school mandated dress code policy.
- All class work must be turned in on time. Work turned in after the designated due date will receive a one letter grade reduction.
- Class Fee:** The fee for this elective is \$10.00. Students must pay the fee at the school bank and show payment receipt to the instructor. In cases of financial need, payment plans can be arranged. Monies collected from fees will go toward the purchase of supplies and material. In cases that merit fee reimbursement (for example: moving, dropping, transferring classes etc.), it is the students' responsibility to collect reimbursement monies.

STUDENT/PARENT ACKNOWLEDGEMENT:

I have read and agree to the Drafting and Design course expectations.

Student Signature _____ Date _____

Parent's Signature _____ Date _____