

Cullman High School
Computer Aided Drafting & Design
(Engineering Drafting)
INTERMEDIATE MECHANICAL DESIGN

COURSE SYLLABUS

PREREQUISITES: Intro to Drafting Design (Engineering Drafting)

COURSE DESCRIPTION:

Intermediate mechanical design is a one-credit course designed to further the development of students' knowledge regarding the use of drafting design procedures and practices. Students expand their ability to illustrate more complex objects using CAD. Topics include sectioning, auxiliary views, threads and fasteners, pictorials, and the continuation of dimensioning practices. Upon completion of the course, students are able to develop section views, primary auxiliary views, thread representations and pictorial views; and apply dimensions properly on a drawing.

Suggested grade level: 10-12 1 Credit

COURSE OUTLINE:

The following is a list to topics that will be covered during this course. (ACAD)

1. Applied math.
2. Geometric Construction.
3. Multiview Drawing.
4. Dimensioning & Notes
5. Sections
6. Auxiliary Views
7. Fasteners
8. Pictorial views
9. Intro to Solid Modeling.
10. Working Drawings.

GRADING:

The following areas will be graded.

- Various tests 15%
- Class participation 15%
- Drawing 70%

COURSE GOALS & INSTRUCTIONAL PHILOSOPHY:

Students will begin the curriculum for a career objective of becoming a drafter. The end goal is to be employed as an entry-level drafter and/or continued schooling.

FEES:.....\$10.00

Fees used for consumable supplies i.e.; plot/printer paper, ink, floppy disks etc.