

# DRAFTING SEMESTER SYLLABUS

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**The course will:** emphasize advanced engineering drafting skills by hand but primarily on the computer using AutoCAD.

Drafting- Incorporates hands-on experience with CAD (computer-aided drafting) software. Standard graphics commands for two-dimensional drawings using AutoCAD. By the end of the year we will have covered all of DRF 130, DRF 131, and Drafting 150 coursework through Chemeketa.

### **The student will:**

Draft using computers and programs to create drawing prints

### **Requirements:**

All students must complete the following requirements before beginning to make a project.

1. Complete all assignments.
2. Complete all AutoCAD tests.
3. Demonstrate machinery knowledge before printing a project.

### **Grades:**

Grades will be earned with the following:

90%-100%=A; 80%-89%=B; 70%-79%=C; 60%-69%=D; < 59%=F

Points will be available in the following categories:

Drafting Assignments	75%
Tests	25%

### **Course Guidelines:**

**Attend regularly and on time**

**Respect the rights of others, don't be distracting**

**If absent for any reason, the student is responsible for all make up work**

**Student Expectations: Safe, Respectful, & Responsible.**

### **Standards used for Grading:**

**EN01** Use effective communication skills with a variety of audiences.

**EN03** Use technology such as computers and design software to solve engineering problems.

**MNPJ01** Apply measurement and scale concepts in drafting and design.

**MNPJ02** Interpret engineering documents and control documents.

**MNPJ03** Create technical sketches using drafting procedures.

**MNPJ04** Use a CADD system and procedures.

**MNPJ05** Detail projection views/components.

**MNPJ06** Explore mechanical drafting/design concepts and problems.

**MNPJ07** Demonstrate drafting/design concepts as related to basic manufacturing processes.

**MNPJ08** Incorporate geometric dimensioning and tolerancing (GDT) standards.

**MNPJ09** Depict assemblies of components.