

**Western Dakota Technical Institute  
800 Mickelson Drive  
Rapid City, SD 57703-4018**

**Master Syllabus**

**Course Number:** CAD 202  
**Course Name:** Mechanical Drafting  
**Credits:** 3  
**Contact Hours:** 3 Lecture

**Course Description:** This course covers mechanical drafting practices used to create engineering drawings with a focus on drawing accuracy, drafting conventions, dimensioning, and readability.

**Prerequisites:** CAD 232, CAD 234

**Textbooks:** <http://bookstore.wdt.edu>

**Materials:** Calculator, Mechanical Lead Pencil, Eraser, 3-Ring Binder, Notepaper, Drafting Scale [*Eng.*]

**Student Learning Outcomes:**

- Generate mechanical drawings which include orthographic views, auxiliary views, sectional views, and conventional representations of common features.
- Demonstrate mechanical dimensioning with industry standard techniques.

**Assessment:** Students' analytical skills, communication skills, technology skills, and teamwork techniques will be assessed throughout this course.

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