

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

Master Syllabus

Course Number: CAD 234
Course Name: Mechanical Print Reading
Credits: 2
Contact Hours: 2 Lecture

Course Description: Students will learn to read a variety of prints from different industries and to extract important construction and design information from each drawing.

Prerequisites: None

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

Materials: Notebook and/or note paper, drafting scales (Arch. & Eng.), storage media for backing up electronic working files, and folder for handouts.

Student Learning Outcomes:

- Interpret the various types of views and linetypes on a mechanical print
- Extract part dimensional and physical property information from drawings
- Interpret the manufacturing processes and standard mechanical components found on a mechanical print
- Interpret mechanical dimensioning and tolerancing including geometric dimensioning and tolerancing

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

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