

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

Master Syllabus

Course Number: CAD 139
Course Name: 2D CAD
Credits: 3
Contact Hours: 3 Lecture

Course Description: This course introduces the concept of 2D CAD using the latest release of AutoCAD, and covers skills ranging from basic to advanced. Basic Draw, and Modify commands will be studied, as well as advanced concepts such as Layers, Blocks, Annotations, X-Referencing and Document Creation. Students will also learn proper computer care, file manipulation and storage.

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:

- Manage computer operation and electronic data
- Apply basic concepts of AutoCAD including Draw, Modify, Layers, and Plotting
- Apply advanced concepts of AutoCAD including Draw, Modify, Layout Setup, Scaling, Annotations, Blocks, Dimensioning and External References

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

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