

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

Master Syllabus

Course Number: CAD 252
Course Name: Introduction to Surveying
Credits: 3
Contact Hours: 1 Lecture; 4 Lab

Course Description: This course exposes students to basic field surveying techniques and related office procedures.

Prerequisites: CAD 250 and MATH 102 or MATH 120

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

Materials: Notebook and pencils, grid paper for plotting, 3-scale engineer's ruler, scientific calculator, surveying field book, and binder for handout materials.

Student Learning Outcomes:

- Generate field data with basic surveying equipment and industry standards
- Evaluate accuracy of surveying data for use in drafting and environmental fields

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

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