

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

**Master Syllabus**

**Course Number:** CAD 214  
**Course Name:** Introduction to Civil Drafting  
**Credits:** 3  
**Contact Hours:** 1 Lecture; 4 Lab

**Course Description:** This course introduces students to practical concepts and drafting principles associated with civil engineering and design. Students learn to interpret maps and symbols, calculate surveying data, and develop drawings for common civil drafting functions.

**Prerequisites:** CAD 132

**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:**

- Examine the various skills needed to perform the functions associated with civil drafting.
- Interpret the correct methods for the development of maps, land descriptions, topography, site plans, highway design and other associated documents.

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

**ADA Accommodations:** Students Rights to Assistance or Accommodations: If you have a documented disability for which you are or may be requesting accommodations, you should contact your instructor and the Disability Coordinator as early as possible in the semester.

**Notice of Non-Discrimination:** Western Dakota Technical Institute does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Disability Coordinator.