



South Central College

CTLS 2835 Introduction to Land Surveying

Course Outcome Summary

Course Information

Description	This course covers the history of land surveying from the beginning advancement of the United States to modern day standards. Students will learn technical elements of writing legal land descriptions, basic fundamentals of platting land, and methods of researching property and property corners. (Prerequisite: CTLS 1110 and CTLS 1810)
Total Credits	3
Total Hours	64

Types of Instruction

Instruction Type	Credits/Hours
Lecture	2/32
Lab	1/32

Pre/Corequisites

CTLS 1110 and CTLS 1810

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Analyze surveying terminology and definitions

Learning Objectives

- Describe surveying fundamentals
- Define description angle designations
- Define meridian referenced descriptions
- Analyze curve nomenclature and equations
- Analyze line transitions and definitions
- Analyze strip descriptions
- Analyze linear, area, and proportional part descriptions

2. Analyze land description fundamentals

Learning Objectives

Outline structure of descriptions
Describe types of descriptions
Determine composition standards and rules

3. Examine legal property descriptions

Learning Objectives

Write metes and bounds descriptions
Identify division line descriptions
Write strip descriptions
Identify proportion descriptions
Write linear descriptions
Identify area descriptions
Write bounds descriptions
Write full metes and bounds descriptions

4. Examine methods of boundary recovery

Learning Objectives

Describe rules of boundary recovery
Define perpetuated corners
Research recovered corners

5. Examine the United States Public Land System

Learning Objectives

Describe the Principal Meridian and Baseline
Research township and range lines
Summarize irregular sections
Research the government surveyor's original notes
Describe subdivisions of the USPLS property

6. Review legal aspects of land surveying

Learning Objectives

Describe requirements for a registered land surveyor
Examine implications of property surveys
Differentiate the legal extents of RLS versus unregistered surveyors

7. Examine Minnesota Statutes Chapter 505

Learning Objectives

Analyze plat documentation requirements
Summarize the plat evaluation checklist
Examine platting minimum graphic standards

8. Research Property

Learning Objectives

Perform title research at the appropriate facilities
Examine tax/filing statements
Examine recording certificates

9. Summarize site plan requirements

Learning Objectives

Describe the lot and block system
Identify the required utilities and symbols
Summarize setbacks
Analyze the legal descriptions of the site

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

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