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
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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