



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Legal Surveying

CIVILEN 5411

Credit Hours:

3.00

Course Levels:

Undergraduate (1000-5000 level)

Graduate (5000-8000 level)

Course Components:

Lecture

Course Description:

History of measurement and methods; development of land survey systems; original land subdivisions in Ohio; milestones in technology; retracement principles for sequential, simultaneous, and public land surveys; laws on surveying practices.

Prerequisites and Co-requisites:

Prereqs: 2410 (400), and enrollment in CivilEn major; or permission of instructor.

Course Goals / Objectives:

- Understand the legal and ethical roles of a Professional Land Surveyor
 - Know the laws that guide land surveying in the State of Ohio
 - Understand the differences in surveying methods such as metes & bounds and the U.S. Rectangular Survey System
 - Identify the original land subdivisions of the State of Ohio
 - Have a general knowledge of the history of land measurement
 - Understand various units of measurement that have been utilized in surveying
 - Have an understanding of the basic principles of maps
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Course Topics:

- Early surveying history
 - Units of measurement
 - Development of Maps
 - Legal Jurisdiction Review
 - Methods of Survey: o Metes & Bounds o U.S. Rectangular Survey System
 - Ohio Land Subdivisions
 - Topographic and Geodetic Surveys
 - Ohio Surveying Laws and Standards
 - Role of the Surveyor: Ethical and Moral Responsibilities
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Designation:

Required