



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Land Boundary & Development Principles

## CIVILEN 5412

**Credit Hours:**

3.00

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**Course Levels:**

Undergraduate (1000-5000 level)

Graduate (5000-8000 level)

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**Course Components:**

Lecture

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**Course Description:**

Retracement principles for sequential and simultaneous surveys; laws on surveying practices; property descriptions; lot split procedures; ALTA/NSPS Land Title Surveys; Development and design of land subdivisions; zoning, property descriptions, topography; preliminary and final plat requirements; riparian rights.

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**Prerequisites and Co-requisites:**

Prereq: 5411, and enrollment in CivilEn major; or permission of instructor.

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**Course Goals / Objectives:**

- Locate and understand county conveyance standards and perform county court house research
  - Understand the principals of sequential and simultaneous boundary surveying and retracement
  - Know about different types of easements
  - Know the standards involved in ALTA/NSPS Land Title Surveys
  - Prepare a legal description sufficient for transfer of property
  - Prepare a subdivision plat
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**Course Topics:**

- Conveyance Standards
  - Ownerships, Transfers, Deeds and Descriptions
  - Easements
  - Legal description writing
  - ALTA/NSPS Land Title Surveys
  - Subdivision Regulations and Design Standards
  - Sequential, Simultaneous and Combination Conveyances
  - Subdivision Plat Preparation
  - Riparian Rights
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**Designation:**

Required