CET 252 Elements of Land Surveying 2

Course Description: A continuation of CET 251. Topics include: sequential and simultaneous boundaries, riparian and littoral boundaries, public land surveys, easements, and legal principles of property relating to surveyors.

Prerequisites(s): CET 251 **Corequisite(s):** None

Lecture Hours: 3	Lab Hours: 3	Credit Hours: 4
Lab Fee: $105	Supplemental Fee: $0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☒ Web	□ Hybrid	□ Classroom
Semesters Offered: □ Fall	☒ Spring	□ Summer

Course Primary Text:

Title: Brown's Boundary Control and Legal Principles	Edition: 7th
Author(s): Robillard, Walter G., Donald A. Wilson, Curtis M. Brown	
Publisher: Wiley	
Title: Evidence and Procedures for Boundary Location	Edition: 7th
Author(s): Robillard, Walter G., Donald A. Wilson, Curtis M. Brown	
Publisher: Wiley	
Title: Original Ohio Land Subdivisions Volume III of the Final Report	Edition:
Author(s): Sherman, C.E	
Publisher: State of Ohio Department of Natural Resources, Division of Geological Survey	
Title: Writing Legal Descriptions in Conjunction with Survey Boundary Control	Edition: 4th
Author(s): Wattles, Gourdon H	
Publisher: Wattles Publications	

Supplemental Materials:

Original Ohio Land Subdivisions Volume III of the Final Report Map Supplement
Articles retrieved from internet

Course Outcomes:

1	ABET (B), Reinforced: an ability to apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require limited application of principles but extensive practical knowledge.
2	ABET (E), Reinforced: an ability to identify, analyze, and solve narrowly defined engineering technology problems.
3	ABET (F), Reinforced: an ability to apply written, oral, and graphical communication in both technical and non-technical environments; an ability to identify and use appropriate technical literature.
4	ABET (G), Reinforced: an understanding of the need for and an ability to engage in self-directed continuing professional development.
5	ABET (H), Reinforced: an understanding of and a commitment to address professional and ethical responsibilities, including a respect for diversity.
6	ABET (I), Reinforced: a commitment to quality, timeliness, and continuous improvement.

Course Topics:

Week 1	Introduction
Week 2	Minimum Standards of Ohio
Week 3	Boundary Resolution, Final Survey
Week 4	How Boundaries are Created; Race, Race-Notice, Notice Jurisdictions
Week 5	Monument Reconnaissance and Field Measurements, Weight of Evidence
Week 6	USPLSS Review, Ohio, Indiana and the Jackson Purchase (KY)
Week 7	Minimum Standards for Indiana, Surveyor's Reports, Original Survey Notes
Week 8	Metes and Bounds, Kentucky
Week 9	Minimum Standards for Kentucky
Week 10	Types of Conveyances; sequential and simultaneous
Week 11	Unwritten Rights, fee simple and prescriptive; adverse possession, acquiescence, parol agreement, estoppel, eminent domain
Week 12	Water Boundaries; accretion, alluvion, reliction
Week 13	Evaluating Evidence, Rules of Construction
Week 14	Writing Legal Descriptions
Week 15	Preparing Plats of Surveys; Lot splits, lot combinations, subdivision plats

Methods of Evaluation/Assessment

Exams 4 @ 40%
Quizzes 4 @ 24%
Classroom Activities 6 @ 36%

Course Keeper: Carol L. Morman, PE, PS

Date Completed: September 12, 2013
Updated: September 16, 2016
Updated: March 15, 2019