COURSE INFORMATION FORM

DISCIPLINE

Land Surveying

COURSE TITLE

Evidence and Procedures for Boundary Location

CR.HR 3 LECT HR. 3 LAB HR. CLIN/INTERN HR. CLOCK HR.

CATALOG DESCRIPTION

A study of the land practice of retracement and creation of new parcels as it relates to; the lot survey, the sectional survey; the water boundary survey. Discussion of further standard business practice.

PREREQUISITES

SRVY 135

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)

Upon completion of this course, the student will be able to:

1. Integrate legal principles, computations, cartography, ethical considerations and economics in performing boundary surveys.

2. Distinguish between the various types of evidence (field and office).

3. Analyze evidence and construct solutions to various retracement problems.

4. Apply evidence principles to the design and creation of new land parcels.
GENERAL EDUCATION OUTCOMES (ESO)

Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Students will demonstrate the ability to utilize both surveying equipment and software in accordance with industry standards.
2. Students will apply technical skills and critical thinking skills to solve surveying related problems.
3. Students will work with others by engaging in real world field exercises that relate to land surveying.
4. Students will demonstrate the skills necessary to research and apply information of the public record as it applies to both boundary retracement and the subdivision of real property.
5. Students will demonstrate the highest level of professional ethics while applying effective business practices.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. A short biographical sketch outlining experience in the surveying profession. (1-4)
2. Exams (1-4).
3. Term project: retracement survey of a subdivision block. (1-4)
COURSE OUTLINE FORM

DISCIPLINE: Land Surveying

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Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction and the historical development of property surveying
   A. Property ownership and the surveyor’s role through the ages
   B. Property surveying from the 13 colonies to the present

II. Professional liability and professional stature
   A. Standard of care
   B. Expressed/implied guarantees
   C. Education and experience
   D. Judgment
   E. Ethics

III. Evidence, general and verbal
   A. Laws of evidence
   B. Burden of proof
   C. Preponderance of evidence
   D. Admissibility of evidence

IV. Evidence, other forms
   A. Monuments, undisturbed
   B. Intent of the parties to the transaction
   C. Witness monuments and other evidence

V. Measurements of evidence – how made
   A. Horizontal distance (linear)
VI. Plats as evidence and guarantees of the title
   A. Public record
   B. Written description, calls for the plat

VII. The procedures for locating written title using original surveys and the platting laws as the basis
   A. Public storage
   B. What a good plat should contain
   C. Client contracts

VIII. Apportionate procedures for land and water boundaries
   A. Vacation procedures – water
   B. Vacation procedures – land

IX. Writing land descriptions
   A. Caption
   B. Body
   C. Qualifying clauses
   D. Augmenting clauses

X. Preservation of evidence

XI. Unwritten transfers of land ownership
   A. Possession
   B. Prescription
   C. Estoppel
   D. Practical location

XII. The surveyor in court
   A. Duties of the surveyor to the court
   B. Surveyor – attorney relationship
   C. Direct and cross examinations