



Course Number Course Name	ES 410L SOIL TESTING AND INTERPRETATION LAB
Credit Value (Breakdown of theory and lab credits)	1 Laboratory
Catalog Course Description	Soil morphology and development. Field analysis and characterization of soil profiles, impact of weather, drainage, agricultural, industrial, and man-made factors on edaphic characterization.
Student Learning Outcomes/Objectives /Competencies of the Course	<ol style="list-style-type: none"> 1. Understand the history of soil classification, methods and characterization techniques of soil, morphologic genetic horizons, diagnostic horizons, moisture regimes, temperature regimes, detailed discussion of Soil Taxonomy. 2. Morphologic descriptions, classification, and soil genesis discussions are enhanced by field-based activities and prepare students for mapping and map interpretation.
College-Wide Student Learning Outcomes	<i>This lab will be assessed in conjunction with the associated lecture/theory course which is a co-requisite.</i>