Course Title: CENG 5431/ CENG 5431G
Pre-requisite(s): Departmental consent or a minimum grade of "C" in CENG 2231 or TCM 2233.

Course Description
Principles of field astronomy, GPS surveys, control surveys, State Plane Coordinate Systems, photogrammetry, volume determination, route surveying (horizontal and vertical curvature) and an introduction to Geographical Information Systems. Laboratory includes: GPS for control, coordinate system transformations, survey boundary development, topography survey, and roadway alignment.

(CENG 5431G) Graduate version requires a research component.

Credit Hours: 3
Lecture Hours: 2
Lab Hours: 2
Instructor: TBA
Class Schedule: TBA