ENGR 111 Surveying

ENGR 111 SURVEYING

Theory and applications of plane surveying: office computations and design, operation of surveying field equipment, and production of engineering plans/maps. Topics include distances, angles, and directions; differential leveling; traversing; boundary and topographic surveys; volume/earthwork; horizontal and vertical curves; land description techniques; construction applications; and Global Positioning System (GPS). Field work using tapes, levels, transits, theodolites, total stations, and GPS. Letter Grade Only. Degree Credit.

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: MATH 130 or appropriate score on the College Placement Test or other multiple measures assessment.

AA/AS Degree Requirements: Math Competency

Transfer Credit: CSU, UC

C-ID: ENGR 180