SRVY - Surveying

SRVY 230. Intro to Srvyg for Engineers. 3 Credits. (2 Lec, 1 Lab) F,S,Su
PREREQUISITE: M 165Q or M 171Q or M 181Q and EGEN 116 or DDSN 101.
Surveying field practice, error propagation analysis, survey for project design.

SRVY 273. Route Surveying. 3 Credits. (2 Lec, 1 Lab) S
Lec 2 Lab 1 PREREQUISITE: SRVY 230. Advanced construction and route surveys,
earthwork mass diagrams, quantity takeoff, computer analysis.

SRVY 355. Surveying Calculations. 3 Credits. (2 Lec, 1 Lab) S alternate years, to be
offered even years.
Lec 2 Lab 1 PREREQUISITE: SRVY 230. Modern instrumental and computational
techniques in surveying.

SRVY 361. Intro Legal Princ in Surveying. 3 Credits. (3 Lec) F alternate years, to be
offered even years.
Lec 3 PREREQUISITE: SRVY 230. Principles of the profession: case law, legal aspects
of boundary location, monumentation, and property descriptions.

SRVY 362. Public Land Survey System. 3 Credits. (3 Lec) F alternate years, to be
offered odd years.
Lec 3 PREREQUISITE: SRVY 230. Federal and state laws and regulations governing
legal land surveying; case studies and professional responsibilities.

SRVY 375. Analytic Photogrammetry and Remote Sensing. 2 Credits. (1 Lec, 1 Lab) F
alternate years, to be offered odd years.
PREREQUISITE: M 165Q or M 171Q or M 181Q. Measurement and computation
techniques for mapping from photographs; photo geometry, flight planning, ground
control, cameras, control extension, stereoscopic instruments.

SRVY 474. Project Design in Surveying. 3 Credits. (2 Lec, 1 Lab) S alternate years, to be
offered odd years.
Lec 2, Lab 1 PREREQUISITE: SRVY 230. Surveying requirements of large project;
land subdivision, utilities, topography, and earthwork. Term project research and
report required.