

### **CVE 303: SURVEYING FOR ENGINEERS- I (3 Units)**

Principles of surveying operations. Classification of surveying methods, instruments and their uses. Theory of surveying instruments or linear measurements, angular measurement and compass surveying. Introduction to theodolite transversing, leveling and calculation of areas: plane table surveys, tachometric surveys, simple triangulation and trilateration. Introduction to photogrammetry and remote sensing. Practice with autocard.