

### **FCE 451 - Engineering Surveying III**

Errors; weighting of observations and principles of least squares for adjustment. Introduction to and engineering applications of Electromagnetic Distance Measurement (EDM). Highway Curves; simple and compound circular curves, transition curves, vertical curves. Setting out of highway curves.

Introduction to Hydrographic, mine and tunnel surveying curves, vertical curves, setting out of these. Introduction to hydrographic, mine and tunnel surveying.