**CIV E 251 SYLLABUS**

COURSE NAME: Survey School- CIV E 251
DETAILS: 1.5 hour lectures
TERM: Summer

COURSE DESCRIPTION

\*1.5 (fi 4) (second term or Spring/Summer, 1 WEEK) Practical exercises in field methods; project type of

assignments; field astronomy; electronic distance measuring instruments. Note: Survey School is held off

campus.

In CivE 250, they learned the basics of the instruments and the theoretical calculations involved in

surveying. This is the practical component to the course where they apply what they learned in CivE 250 to

an outdoor environment. Included in the field school are:

1) Traverse layout (angles, distances & leveling)

2) Laying out a spiraled highway curve

3) Laying out a vertical curve

4) Locating cross-sections along the curve and volumes

5) Carrying out a topographic survey of a 200 x 200 m area - contour plot

6) Building layout and volume calculations

REQUIRED MATERIAL

* CIV E 251 Fied School Manual
* Course Notes from CIV E 250

LECTURE CONTENT

