

Surveying for Assessors and Tour

This class will incorporate some actual field surveying with lectures on various surveying issues. The class will vary from classroom instruction to actual survey field work, and then back to classroom.

Students will measure a large triangle, shoot the sun for north, and then crunch the numbers.

Classroom topics include:

- Making measurements, and errors in measurements
- Crude tools – compass, pacing, resource GPS
- Conventional precise surveying tools, Stadia, Theodolite & Total Station, Hand tapes & Distance Meters
- Discussion about Angles, Bearings and Azimuths, along with degrees, minutes and seconds conversions
- How to create X and Y coordinates from Bearings and Distances (Polar to Rectangular conversions)
- Processing the information from our field measurements

Students are encouraged to bring actual county examples for discussion.

Instructor: John Russell, U.S.M.S., Russell Surveying, Inc.
Date: Tuesday, July 28 – Wednesday, July 29
Location: Central Plaza Training Room – Washington Group Complex
Hours: 14
Note: Bring scientific calculators and a notepad or certainly some kind of bound tablet, like a legal pad for calculations. Also, bring sunglasses. Students could bring resource grade GPS, like Garmins, etc.