

SVR 112 - INTRO TO SURVEYING DATA USE

Course Description

Using a variety of surveying software, students will learn methods and techniques to observe, analyze, and integrate field measurements in surveying applications. This includes interpreting and generating contour lines, map reading, field notes and the presentation of data on a completed topographic map. Group 2 course.

Credit Hours

3

Contact Hours

4

Lecture Hours

2

Lab Hours

2

Required Prerequisites

MTH 111, MTH 111/011, MTH121 or MTH 121/021 (may be taken concurrently)

Course Learning Outcomes

Knowledge:

- Demonstrate basic working knowledge of various surveying software and data transfer.

Application:

- Use submitted field data to create contour and topographic maps using surveying software and data applications.

Integration:

- Through the use and interpretation of field-sourced data, integrate information into software applications for the generation of various forms of mapping.

Human Dimension:

- Collaborate with teammates and customers to interpret and produce mapping products that meet the needs of the project.

Caring - Civic Learning:

- Learn the value of proper survey data interpretation and integration.

Learning How to Learn:

- Reflect upon the interpretation of data and information relayed by industry and customers to develop proper map sequences.