

SVR 111 - INTRO TO FIELD SURVEYING

Course Description

Using a variety of surveying equipment, students will learn methods and techniques to observe, record, and transfer field measurements to surveying applications. This includes the proper care and setup of instruments, units of measurement, horizontal and zenith angles, directions, distances, elevations and field application methods. Group 2 course.

Credit Hours

2

Contact Hours

4

Lab Hours

4

Required Prerequisites

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

General Education Outcomes supported by this course

Communications - Direct

Course Learning Outcomes

Knowledge:

- Demonstrate competency in survey equipment setup and operation.

Application:

- Use survey equipment in the field to collect necessary data for implementation at the application level.

Integration:

- Be introduced to data transfer from field to software applications.

Human Dimension:

- Learn to work with a team to collect field data and communicate with customers to acquire needed data.

Caring - Civic Learning:

- Learn the value of the surveying profession and its impact on society as a whole.

Learning How to Learn:

- Compile log books for developing proper survey instrument procedures.