

ENV 270B - FIELD MAPPING TECHNIQUES

Course Description

This course is a one-week field course. It will focus on the fundamentals of map interpretation and generation. Students will gain a basic understanding of the principles of cartography and field mapping techniques employed by various disciplines in the acquisition of spatial data. Group 1 course.

Credit Hours

2

Contact Hours

3

Lecture Hours

1

Lab Hours

2

Required Prerequisites

MTH 111, MTH 120, or MTH 131, instructor permission required

Recommended Prerequisites or Skills

Competencies

ENG 111, completion of any Science course with laboratory

General Education Outcomes supported by this course

Quantitative Reasoning

Course Learning Outcomes

Knowledge:

- Demonstrate knowledge of the methodologies and equipment used in the acquisition and assimilation of field data.
- Properly display spatial data collected in the field in map form.

Application:

- Create a detailed topographic map of a selected area.

Integration:

- Integrate mathematical skills in the assimilation of field data collected.

Human Dimension:

- Work cooperatively to collect field data.

Caring - Civic Learning:

- Discover the importance of accurate mapping to society and landowners.

Learning How to Learn:

- Incorporate course concepts to real-life applications.