

# ENV 270B - FIELD MAPPING TECHNIQUES

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## 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 23, 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.