

# **GEOG 285 : DATA CONVERSION AND DOCUMENTATION**

---

## **Transcript title**

Data Conversion/Documentation

## **Credits**

4

## **Grading mode**

Standard letter grades

## **Total contact hours**

60

## **Lecture hours**

30

## **Lab hours**

30

## **Recommended preparation**

GEOG 266.

## **Course Description**

Covers techniques to collect and to convert data between formats, projections, and coordinate systems. Cultivates research and experimentation with data and enhances problem-solving skills. Emphasizes metadata use, which allows the data user to determine whether a particular data set is suitable for its proposed use.

## **Course learning outcomes**

1. Summarize the importance of geographic information systems (GIS) metadata and problems that may be encountered for GIS layers lacking metadata.
2. Incorporate geographic information systems (GIS) data layers into web-based GIS applications.
3. Create 3-D web scenes from terrain data and other data sources with z-values.

## **Content outline**

• Metadata • Collecting data from different sources • Data conversion project • Introduction to WebGIS • Layers and storymaps • Web AppBuilder • GIS industry examples - data conversion • 3-D web scenes • WebGIS project • Final project

## **Required materials**

This course will require a textbook.