



GEOG 786 Geographic Information Systems (Web GIS)

Department of Geography, South Dakota State University

Spring 2019 (3 Credit Hours), Course Capacity: 10

Instructor: Dapeng Li, Ph.D.

Location: Wecota Hall 0002 (Lab: Wecota Hall 0014)

Time: Thursday 04:00 PM - 06:50 PM

Prerequisites:

GEOG 372: Introduction to GIS or equivalent course/experience.

Course Description

This course explores the advanced use of Geographic Information Systems (GIS) in a web environment. Specifically, the topics include principles of Web GIS, technical basics (HTML, CSS, and JavaScript), Web GIS standards, map mashup, story maps, mobile GIS, geoportals, and Web GIS applications. Students in this course will learn the theoretical underpinnings of Web GIS and develop Web GIS skills (ArcGIS Server) through hands-on lab exercises and a final project.

Who should take this course?

This course is for graduate students in Geography or related disciplines who want to use Web GIS in a research or professional setting. This course is a must for future researchers in various academic fields (e.g., geography, GIS, ecology, urban and landscape planning, precision agriculture, etc.) and GIS professionals (e.g., GIS developers, GIS analysts, GIS specialists, GIS managers) in the industry.



Please feel free to contact me if you have any questions. Email: dapeng.li@sdstate.edu