



# GEOG 476/576 Web GIS

Department of Geography, South Dakota State University

Fall 2019 (3 Credit Hours), Course Capacity: 16

**Instructor:** Dapeng Li, Ph.D.  
**Location:** Wecota Hall 0014  
**Lecture Time:** Monday 2:00 PM - 3:50 PM  
**Lab Time:** Wednesday 2:00 PM - 3:50 PM

## Prerequisites

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

## Course Description

This course explores the use of Geographic Information Systems (GIS) in a web environment. Specifically, the topics include principles of Web GIS, web development basics (HTML, CSS, and JavaScript), Web GIS standards, map mashup, story maps, mobile GIS, geoportals, and Web GIS applications. The 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 undergraduate and graduate students in GIS 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., GIS, geography, ecology, urban and landscape planning, and precision agriculture) and GIS professionals (e.g., GIS developers, GIS analysts, GIS specialists, and GIS managers) in the industry.



Please feel free to contact me if you have any questions. Email: [dapeng.li@sdstate.edu](mailto:dapeng.li@sdstate.edu)