

Introduction to Geographic Information Systems Geography 491, 001 Spring 2023

**Department of Geography, UNC-Chapel Hill
Tues/Thurs 3:30-4:45pm CH220**

Geographic Information Systems (GIS) are computer-based systems for the collection, maintenance, storage, analysis, output and distribution of spatial data and information.

This course will consider each of these tasks, cover fundamental concepts in GIS, introduce many important principles guiding GIS use and development, introduce advanced geospatial techniques, and provide you with hands-on experience with applications. Upon successful completion of the course, you should understand the components of GIS, how they are used in research as well as in public and private sector projects, and what principles support the employment of general GIS on specific spatial application.

