

GEOG 3500 – Introduction to GIS is an introductory course covering the basics in geospatial science from theoretical concepts, data, models, analytical techniques, to practical usage, and applications. Topics will include: characteristics and structure of Geographic Information System (GIS) data; database construction; principles and methods in spatial analyst, including vector and raster data operation, spatial interpolation; mapping of spatial data; application of GIScience. This course will be accompanied with computer labs, and provided guidance to contemporary mainstream geospatial tools.