**GEOG 4580 – GIS & Health** is an applied course covering the theory and applications of geographic information systems (GIS) for public health. The course includes an overview of GIS and spatial analysis principles in public health. The practical component of this class involves the use of desktop GIS software packages including ArcGIS and other spatial analysis software such as SatScan. In addition, this course also covers location allocation (LA) modeling and introduces students to LA techniques for measuring and evaluating accessibility to public health facilities.