

KIRKHOF CENTER 2201

*Exploring Mexico City with Spatial Information Technology: A GIS Approach*

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GIS and GPS technology are indispensable for understanding the world. New trends in Information Technologies have opened up opportunities for exploring culturally significant places, and have encouraged community partnerships and global awareness. Multimedia mapping is a combination of GIS and GPS technology with digital imagery, video, and texts to enhance spatial representation. Linking geographic features and geocoded images to html, kml, and xml documents will enable the creation of Mashups (a Web application that combines geographic and other data into a single integrated interface). My collaborative research integrates dynamic maps of Mexico City that are accessible via the internet (Google Earth, and Microsoft Maps). They are bilingual, and appropriate for geographic education in K-12.