GEOG 267 : GEODATABASE DESIGN

Transcript title

Geodatabase Design

Credits

4

Grading mode

Standard letter grades

Total contact hours

60

Lecture hours

30

Lab hours

30

Recommended preparation

GEOG 266.

Course Description

Covers fundamentals of creating, using, editing, and managing spatial and attribute data in ArcGIS. Explores data migration; data loading; topology rules; use of subtypes, attribute domains, and relationship classes. Includes creating, editing, and analyzing geometric networks.

Course learning outcomes

1. Design a logical data model that represents physical, geographic information.
2. Explain the components and interoperability of geodatabase elements.
3. Implement data-driven solutions using the geodatabase.

Content outline

• Introduction to geodatabases • Geodatabase schema • Vector and raster data • Behavior (domains, split/merge policies, relationship classes) • Relationship classes • Labels, annotation, and dimensions • Topology rules, editing • Toolboxes and geoprocessing • Create and edit geodatabase topology • Networks analysis and linear referencing

Required materials

This course will require a textbook.