WORKSHOPS

<u>MORNING - 8:30-11:30</u>

Introductory Geodatabases - Steve Marsh, GIS Manager, Mid-America Regional Council
This course introduces basic elements of a geodatabase, its structure, the storage options, and the attributes and spatial validation rules. Participants will explore the geodatabase structure and properties in ArcCatalog and ArcMap, as well as techniques to convert existing data into a geodatabase. This course is intended for those familiar with ArcGIS 10, those considering migrating to or just getting started with the Geodatabase data model.

GIS and Mapping A to Z - Tim Haithcoat, University of Missouri
This hands-on 1/2 day lab will provide exposure to several of the myriad analyses and applications that can be done using GIS. Many people by now are familiar with the concepts of GIS and mapping, but their experience may be limited to a few areas specific to their profession. The intent of this course is to survey the wider range of applications to which GIS can be put. The 'tour' will include both raster-based and vector-based analysis and include watershed modeling, network analysis of roads and streams, siting analysis, spatial interpolation, geocoding, and viewshed analysis. Finally, we will briefly demonstrate newer geospatial applications for conflation, human geography analysis, and human movement models being explored at the University of Missouri's Geographic Resources Center.

<u>AFTERNOON - 1:00-4:00</u>

Advanced Geodatabases - Steve Marsh, GIS Manager, Mid-America Regional Council
This course will explore the advanced capabilities of the geodatabase data model, highlighting the concepts of spatial and attribute validation. Topics also covered will be relationship classes and options for storing annotation. Participants will get experience creating subtypes and domains and creating and editing a geodatabase's topology. This short course is intended for those with ArcGIS 10 experience and general familiarity with the geodatabase data model.

Getting to Know ArcMap...Just the Basics - Heather Schafer, Boone County GIS
Making a map with GIS is like playing the piano; somebody else has done the difficult job of making the tools, you just need to know what buttons to push. New ArcMap users will learn basic skills to work with data and create map projects that are sharp and do not fall flat.
Topics that this workshop cover include:

Working with ArcMap documents (opening, saving, etc.)

Main Components of ArcMap (menus, toolbars, table of contents)

Working with Data (basic types, data sources, adding data, attribute tables, layer properties)

ArcMap Tools (zooming, panning, identify, measure, XY locations, bookmarks)

Selecting Features (select feature tool, select by attributes, select by location)

Queries and Expressions (SQL expressions, definition queries)

Symbology (layer symbols, symbol selection, symbology based on attributes)

Map Layouts (layout view, layout toolbars, data frames, layout elements)