



**GEOGRAPHIC  
INFORMATION  
SOLUTIONS**

**Welcome to  
ArcGIS Desktop 1:  
Getting Started with GIS**

**1**

# Course objectives

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- ◆ Be able to explain what GIS is and what it can do
- ◆ Learn how GIS maps are different from other maps
- ◆ Have fun making maps
- ◆ Use geographic data
- ◆ Answer geographic questions
- ◆ Analyze spatial relationships
- ◆ Solve a real-world problem with ArcGIS
- ◆ Explain how you will use GIS in your daily life

# Course components

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- ◆ Lectures
- ◆ Activities
  - ◆ Group discussions
  - ◆ Software exercises
  - ◆ Pencil and paper exercises
  - ◆ GIS project
  - ◆ Software demonstrations
  - ◆ Follow-along software demonstrations



# Day 1 course content

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## ◆ GIS maps

- ◆ What is GIS?
- ◆ Nature of GIS maps
- ◆ Putting information into maps
- ◆ Making maps for presentation

## ◆ Geographic data

- ◆ Understanding location

# Day 2 course content

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- ◆ **Geographic data**
  - ◆ Nature of geographic data
  - ◆ Making and using geographic data
- ◆ **GIS analysis**
  - ◆ Querying maps
  - ◆ GIS analysis
  - ◆ Geographic inquiry process

# Day 3 course content

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- ◆ **Coordinate Systems and Map Projections**
- ◆ **Global Positioning System (GPS)**

# Day 4 course content

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◆ **Georeferencing Satellite Imagery**

◆ **Building Geodatabase**