

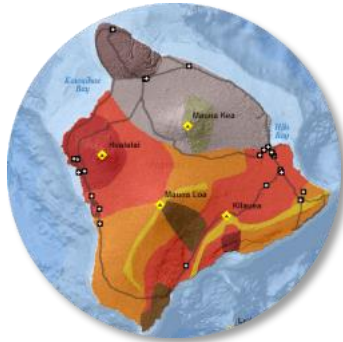
Introduction to GIS Using ArcGIS Online

Register now

SGD\$960 / pax

Level: Beginner | Course duration: 2 days

Learn fundamental concepts that underlie GIS technology and geographic data. In this course, you will gain experience using GIS maps to visualize and explore real-world features; analyze data to answer questions and create new information; and share maps, data, and other resources so they can be easily accessed throughout your organization



What is the course about?

GIS helps people visualize and create information that can be used to make decisions and solve problems. Get an introduction to the basic components of a GIS. Learn fundamental concepts that underlie the use of a GIS with hands-on experience with maps and geographic data.

This course will provide foundational knowledge of a GIS and show how it can be used to acquire geographic knowledge. You will explore GIS maps and use tools to gather information from GIS maps that can be used to make decisions at work or in your daily life.

Who is the target audience?

Anyone who needs to publish GIS resources and share content via ArcGIS Online / Portal for ArcGIS. GIS analysts, specialists, data managers and other knowledge workers will benefit.

Are there any prerequisites?

- Experience with Windows-based software for basic file management and browsing

What skills will I learn?

After completing this course, you will be able to:

- Identify appropriate data to support a mapping project.
- Create a map, add data to it, and symbolise map features to support the map's purpose.
- Share data, maps, and other content to an organisational portal.
- Perform spatial analysis to obtain information about map features within an area of interest.

Course topics

Welcome to GIS

- Geographic data types
- Vector vs raster data models
- Points, lines, and polygons
- Represent real-world objects
- GIS data on ArcGIS Online / Portal

3D, imagery, and real-time data

- Benefits of 3D data visualisation
- Use 3D data
- Use imagery data
- Use real-time data
- Explore real-time stream-gauge data

Managing GIS data

- Choose a data collection method
- Geodatabases and web services
- Investigate the metadata
- Search for data
- Mark data as a favorite

Mapping in a GIS

- Create a new map
- Change the basemap
- Add layers and data to the map
- Investigate the map legend and attribute table
- Investigate transparency and the visible range
- Change the layer symbology
- Change the symbol color

Sharing and collaborating in a GIS

- Web layer types and benefits
- Search for web layers
- Add web layers to your map
- Collaborate in Groups
- Item ownership and sharing
- Accessing items in ArcGIS Desktop

Answering questions using data

- Ask Spatial analysis questions
- Perform proximity analysis
- Perform overlay analysis

Putting GIS to use

- Compare ArcGIS apps
- Use Map Viewer
- Create and configure a web app
- Web app purpose and intended audience