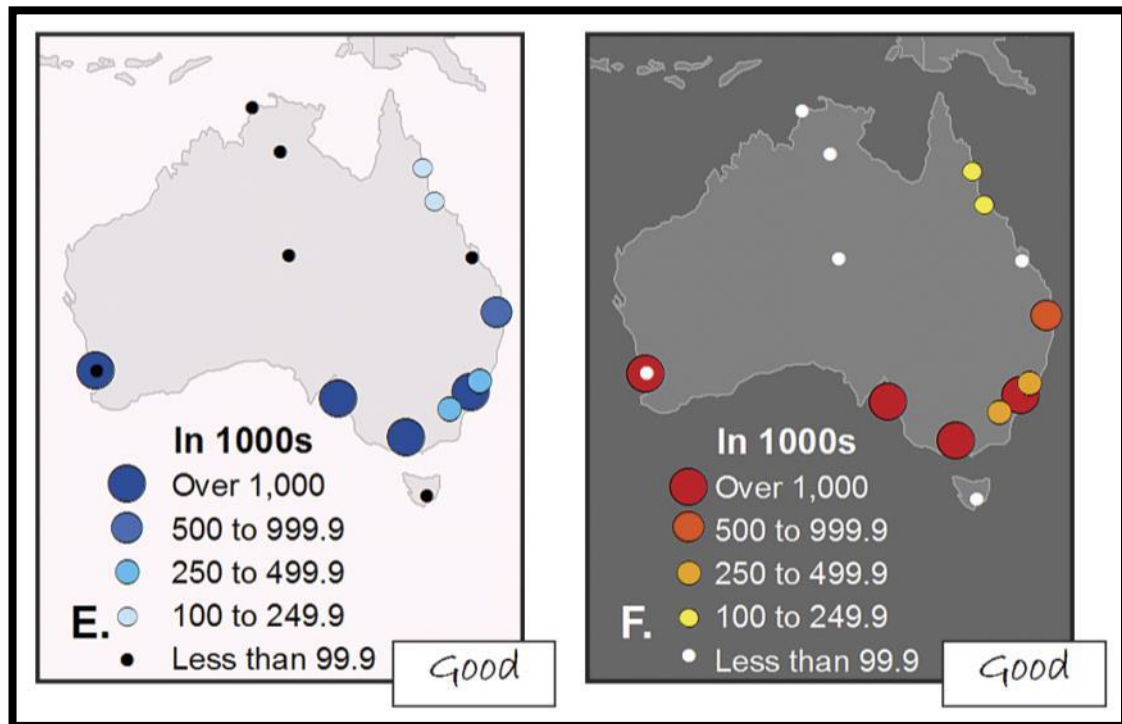


## Creating Maps and Visualisations with ArcGIS

Create high-impact maps and information products

SGD\$960.00 / person

This course teaches ArcGIS Pro techniques to create and share a variety of professional-quality information products including print maps, web maps, 3D scenes, animations, and charts.



Level: Intermediate

Course Duration: 2 days

### What is the course about?

This course teaches you how to create attractive maps that are easy to interpret and properly designed for your audience and delivery medium, with an emphasis on applying fundamental cartographic design principles. You will learn how to follow a standard cartographic workflow to efficiently produce high-quality maps for print and online use.

### Who is the target audience?

This course is suitable for cartographers and GIS analysts, specialists, mapping technicians, and others who need to produce maps using ArcGIS software.

### Are there any prerequisites?

- Completion of ArcGIS Pro: Essential Workflows or Migrating ArcMap to ArcGIS Pro or equivalent knowledge is required.

## What skills will I learn?

After completing this course, participants will be able to:

- Plan a cartographic project
- Choose appropriate data to support cartographic needs
- Create appropriate symbology, map elements, and layout designs for a given map project
- Create labels and annotation that are easy to read by the map's intended audience
- Produce effective maps for print and web delivery

## Topics

### 1. Cartographic planning process

- Cartographic workflow
- Defining map purpose, audience, and specifications

### 2. Evaluating data

- Data considerations
- Evaluating geometry and attributes
- Evaluating scale
- Choosing a coordinate system

### 3. Cartographic design principles

- Design considerations for printed and web maps
- Visual weight, contrast, and figure ground
- Understanding effective use of color
- Designing color schemes and symbols

### 4. Advanced symbology techniques

- Symbol-level drawing for advanced cartographic effects
- Cartographic representations
- Symbology considerations for map services

### 5. Map text

- Text placement guidelines for point, line, and polygon features
- Type basics for cartography
- Text-editing workflow
- Creating labels with Maplex
- Working with annotation

### 6. Designing a map for the web


- Design and performance considerations
- Best practices
- Types of map services
- Specifying the tiling scheme
- Analysing a map document
- Previewing and publishing map services

### 7. Creating maps for print

- Design considerations
- Coordinate system considerations
- Cached and dynamic map services

### 8. Creating map layouts and map series

- Creating a balanced map layout
- Map elements
- Dynamic text
- Creating a map series using data driven pages
- Exporting a map series to a PDF document



**Esri Singapore Training**  
<http://esrisingapore.com.sg/training>