



## Working with local Coordinates Systems

Duration: 3 hours

Coordinate systems are responsible for ensuring your features display in the right location and allow you to display features to suite your ideal type of analysis. You will learn practical guidelines for solving challenges as well as techniques to correct problems caused by unknown and missing coordinate systems in a South African context. In addition, you will explore some coordinate system techniques that will allow you to obtain the optimal results from your data.

**Note:** ArcGIS Pro. Esri will provide access to ArcGIS Pro for the duration of course.

### Goals



**Define** coordinate system information for feature classes.



**Correct** data misalignments caused by datum differences.



**Assess** whether a particular datum transformation is optimal for the data being mapped.

### Who should attend?

**Refreshing ArcGIS Skills**

**Intermediate GIS Users**

**ArcGIS Pro familiarity**

#### Suggestion

- Equivalent knowledge in basic coordinate systems is required.
- Familiarity with ArcGIS Pro is highly recommended.

#### Software

Esri will provide the following software to use during class:

- To complete exercises, you need the following:  
**ArcGIS Pro (2.4-2.6)**