

Global Positioning System (GPS)		
Course Name	Level	Duration
<b>1. Integrating GPS Data with GIS</b>	Basic	2 days
<b>Description :</b> This course focuses on getting GPS data into a GIS. It will cover what equipment to use, how the equipment dictates the workflows, pros and cons of each workflow, and how to incorporate GPS data collecting in your organization.		
<b>2. Introduction to GPS Technology</b>	Basic	1 day
<b>Description :</b> This course is designed as a general introduction to Global Positioning Systems (GPS). You'll discover some basic GPS concepts including what equipment to use, how to choose the equipment, how to collect data, and some basic workflows.		
<b>3. Adding Digital Photos to GIS</b>	Basic	1 day
<b>Description :</b> Adding digital photos to your GIS is much easier with the help of GPS. This class will look at adding digital photos as attributes to GIS features and also adding georeferenced photos to GIS as layers. We'll cover the equipment you need as well as the workflow of this type of project. You'll also learn how to work with the photos inside ArcGIS and Google Earth.		
<b>4. Working with Coordinate Systems in GIS &amp; GPS</b>	Intermediate	1 day
<b>Description :</b> Always a challenge in GIS and doubly so when using GPS to collect GIS data, this class focuses on the importance of coordinate systems. What is a coordinate system? Why should I care? How do I work with them? What do I need to be aware of when using GPS? Why doesn't my data line up and how can I fix it?		
<b>5. GPS Mapping with ArcPad</b>	Advance	2 days
<b>Description :</b> This course focuses on the use of ESRI's Arpad product with GPS units. You will learn the basic functions of Arpad and why it is used for field data collection along with how it is used with a GPS unit.		
<b>6. GPS Mapping with Trimble's TerraSync and Pathfinder Office</b>	Advance	2 days
<b>Description :</b> Trimble makes a very user-friendly GPS field application called TerraSync and its companion office program Pathfinder Office. This class will help new users get started with the software and walk them through the basic workflow of project design, GPS configuration, field data collection, and post-processing of the data.		
<b>7. GPS Processing with Pathfinder Office</b>	Advance	2 days
<b>Description :</b> Pathfinder office is very powerful GPS processing software from Trimble. This course will introduce the user to process the GPS data to achieve better accuracy.		

<b>8. Working with Garmin Handheld GPS</b>	Basic	1 day
<p><b>Description :</b> Are you unable to invest in GIS-grade GPS equipment at the present time? Do you currently have a Sports-grade GPS unit that you would like to use it in your GIS workflow? This 1 day workshop will teach the basics of GPS as well as techniques for using Sports-grade GPS equipment to its full potential. Topics include unit configuration, field planning, collecting point, line and area data as waypoints and tracks, data import, data export for use in GIS and data display and editing. When you leave this course, you will be able to sync existing freeware with your GPS unit to create GIS data for use in both freeware GIS and ESRI products.</p>		