



## Training Course: Using GIS Data & Methods in Surveying

**General Course Description** — This class consists of a one-day overview designed to help surveyors become familiar with Geographic Information System (GIS) concepts, data, and workflows. An overview of GIS technology is presented, and many sources of free and inexpensive GIS data and solutions are discussed with an emphasis on integrating this information into your surveying practice.

Total PDH Hours: 7

### Topics:

#### GIS Basics

- What is a GIS?
- What can GIS technology do for a surveyor?
- What can a Surveyor do for GIS?
- Key terms and technologies
- The importance of Datums and Coordinate Systems

#### Using What You Already Have

- GIS data collection with your data collector
- GIS functionality in CAD programs
- Spreadsheets and databases

#### Free GIS Resources

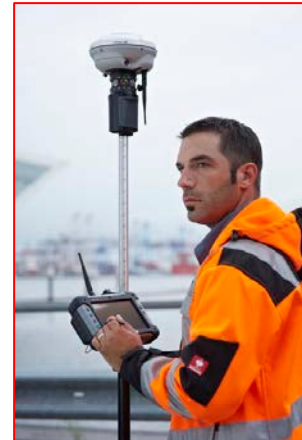
- Google Earth
- Google Earth Plug-Ins
- ESRI online
- Free local data (PASDA/OGRIP, Counties, etc.)
- Free national data (USGS/NGS, etc.)
- Others

#### Inexpensive GIS Resources

- ESRI
- Global Mapper
- Mytopo Maps
- Delorme
- Others

#### Examples of GIS Opportunities for Surveyors

- Data Collection
- Data Verification
- Using GIS technology “in house”
  - Using data in your current projects
  - Building a project geodatabase
  - Getting your data into a GIS



### Course Information

#### Scheduled Time:

8:30am - 4:30pm

#### Price:

\$275.00\* per person

\$225.00\* per additional registrants from the same company

#### For More Information, Contact:

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Survey & GIS Sales/Support/Training  
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**Schedule Training Online!**

[www.laserinst.com/training/request-form/](http://www.laserinst.com/training/request-form/)



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**\*Cancellation Policy:** Due to restrictions on class size, Precision Laser & Instrument, Inc. maintains the following refund policy:

- 1) Full refunds will be given to those who cancel their seat at least 5 business days or more prior to the start of a class.
- 2) A 50% refund will be given to those who cancel their seat within 5 business days prior to the start of a class.
- 3) Regretfully, no refunds will be available for those who fail to attend a scheduled class and who do not notify Precision Laser & Instrument, Inc. prior to the start of that class.

Precision Laser & Instrument, Inc. reserves the right to cancel any class due to insufficient enrollment.

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