## Summer GIS and GPS Workshops in Durham, NH

### GPS for GIS
June 5, 2007 - 9am to 4pm  
(1-day workshop)

<table>
<thead>
<tr>
<th>Topics covered:</th>
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<tbody>
<tr>
<td>GPS concepts</td>
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<tr>
<td>mapping quality GPS</td>
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$125  

**Skill level: Fundamentals**  
Learn how to use mapping quality GPS units to collect GIS data! This hands-on training walks you through the steps necessary to collect GPS data using Trimble Pro XR receivers. GPS data can be combined with other geographic data using GIS to provide a new and more informative way to map your community. Participants will be eligible to borrow UNHCE's Trimble Pro XR receivers for non-profit activities.

**Participants will learn to:**  
- Design data dictionaries to collect attributes  
- Collect data with mapping quality Trimble Pro XR receivers  
- Post-correct GPS data  
- Export GPS data to GIS shapefiles  

### Pictures, Points & Places
June 21, 2007 - 9am to 4pm  
(1-day workshop)

<table>
<thead>
<tr>
<th>Topics covered:</th>
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<tbody>
<tr>
<td>basic GPS</td>
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<tr>
<td>basic GIS</td>
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<tr>
<td>digital photos</td>
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$90  

**Skill level: The Basics**  
Learn how to link digital pictures with corresponding GPS points for use in GIS maps! This course is designed to be useful for people with no prior GIS experience and current GIS users. Hyperlinking pictures with GPS points will allow pictures to be viewed interactively in GIS programs. A free GIS program (AccuGlobe) is utilized, but instruction is also provided for linking pictures in ESRI software.

**Participants will learn to:**  
- Collect data with Garmin GPS receivers  
- Export GPS data to GIS shapefiles  
- Link GPS points to corresponding digital pictures  
- Map GIS and GPS data with AccuGlobe

### ArcGIS Driver’s Permit
June 22, 2007 - 9am to 4pm  
(1-day workshop)

<table>
<thead>
<tr>
<th>Topics covered:</th>
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</thead>
<tbody>
<tr>
<td>GIS concepts</td>
<td></td>
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<tr>
<td>ArcGIS 9.1</td>
<td></td>
</tr>
<tr>
<td>Exploring GIS maps</td>
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</tbody>
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$90  

**Skill level: The Basics**  
Learn how to use ArcGIS 9 in a hands-on learning environment! This course is useful for people who have no prior GIS experience. The goal of this workshop is to provide participants with the skills to use GIS maps in an effective way for town planning. Activities focus on using ArcGIS 9 to get information from GIS layers, answer basic geospatial questions and manipulate attribute data.

**Participants will learn to:**  
- Query data  
- Use basic geoprocessing tools  
- Manipulate attribute tables: add fields, calculate values  
- Symbolize GIS data  
- Import data into ArcGIS 9

### Introduction to ArcGIS 9.1
August 7-9, 2007 - 9am to 4pm  
(3-day workshop)

<table>
<thead>
<tr>
<th>Topics covered:</th>
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<tbody>
<tr>
<td>GIS concepts</td>
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<tr>
<td>ArcGIS 9.1</td>
<td></td>
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<tr>
<td>GIS techniques</td>
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reduced $275, standard $450  

**Skill level: Fundamentals**  
Learn the basics of working with ArcGIS 9 in a hands-on learning environment! This course is useful for people who have no prior GIS experience, as well as those who have used ArcView 3, but are new to ArcGIS 9. With a focus on New Hampshire data and applications, participants learn how to use ArcGIS 9 to produce attractive, effective maps.

**Participants will learn to:**  
- Symbolize GIS data  
- Add labels and annotation  
- Query data  
- Use geoprocessing tools: merge, buffer, dissolve  
- Manipulate attribute tables by adding fields, calculating values, and joining tables  
- Design maps using layouts

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**Registration info:** Sharon at sharon.hughes@unh.edu or 603.862.1029  
**Register online:** “Register Now!” at [http://extension.unh.edu/GISGPS/GISGPS.htm](http://extension.unh.edu/GISGPS/GISGPS.htm)

**For info on course content:** Shane at sbradt@ceunh.unh.edu or 603.862.4277  
**Reduced pricing available for non-profits and qualifying individuals.**  
**Full payment is required to reserve a space.**

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**Note:** If you have special needs that need accommodation, please contact us 3 weeks in advance of the program date. UNHCE is an equal opportunity educator and employer. University of New Hampshire, U.S. Department of Agriculture, and NH counties collaborating.