

Community Mapping 2008 in Durham, NH

Community Mapping (10 day workshop)

June 18 - 6pm to 9pm
July 7-11 & 14-18 - 8am to 4pm

Topics covered:

GIS & GPS concepts
GIS mapping and analysis
GPS data collection

Natural Resource Inventories
Water Resources & Wetlands
Groundwater & Soils
Wildlife Action Plan
Conservation Lands
Infrastructure

Using GPS in ArcGIS and Google Earth
Linking images in ArcGIS & Google Earth

Software used:

DNR Gramin, Photo2GPS
Google Earth, SketchUp
ArcGIS 9.2

non-credit \$650



Skill level: Intensive

This 10-day course is designed for educators and others interested in exploring natural and societal resources using Geographic Information System (GIS) technology. The course combines learning about natural resource management and community planning with developing skills in ArcGIS 9.2 GIS software. Participants map natural resources and community assets while exploring protection strategies for their communities. Activities will involve informational lectures on course topics by experts from local, state and federal entities, immediately followed by hands-on related GIS exercises.

Course content is appropriate for all people interested in using GIS to map community resources, including high school or middle school educators, town employees, conservation commissions and planning board representatives. Participating schools can receive free, one-year licenses of ArcGIS 9.2 software (sorry, schools only!). Familiarity with Windows is recommended, but no previous experience in GIS or Global Positioning Systems (GPS) is needed.

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; import data into ArcGIS 9, design maps using layouts, collect GPS data, import GPS data into GIS, hyperlink images to GPS points, work with a wide variety of GIS data layers including: surface water, groundwater, soils, wetlands, community infrastructure, conservation lands, wildlife action plan, develop natural resource inventories, display GIS data and 3D building models in Google Earth

Provided equipment:

A laptop computer with ArcGIS 9.2 will be provided for each student during the class. Comprehensive exercise manuals are provided.

Student projects:

Each student will be provided with GIS data for their area of interest and will develop a community mapping project during the course. Students taking the course for credit will submit a project by July 31.

SPACE IS LIMITED - REGISTER EARLY

Registration and course info:

Sharon at sharon.hughes@unh.edu or 603.862.1029 **CEU's available**
Shane at sbradt@ceunh.unh.edu or 603.862.4277

Register online: go to link <http://extension.unh.edu/GISGPS/GISGPS.htm> and click on "Register" under Community Mapping in the What's New section.

\$200 deposit required to reserve spot in class.

Credits: Undergraduate NH resident - \$721 non-resident- \$775
Graduate NH resident - \$809 non-resident - \$873

"When I took your Community Mapping workshop it changed my educational focus (and my life). Your course was well organized and comprehensive"

Scott Semmens - Hopkinton High School teacher

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.