GIS for Community Decision Makers

(10 night workshop)

October 1, 15, 22, 29
November 5, 19, 26
December 3, 10, 17
6pm to 9pm

Topics covered:
- GIS & GPS concepts
- GIS mapping and analysis
- GPS data collection
- ArcGIS 9

Water Resources & Wetlands
- NH Wildlife Action Plan
- Conservation Lands
- Infrastructure
- Co-occurrence Mapping

Using GPS in GIS
- Hyperlinking images in GIS
- Displaying data in Google Earth

$595

Skill level: Intensive

This 10-night course is designed for planners 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 GIS software. Participants map natural resources and community assets while exploring protection strategies for their communities. Activities will involve informational lectures on course topics, immediately followed by hands-on related GIS exercises.

Course content is appropriate for all people interested in using GIS to map community resources, including educators, town employees, conservation commissions, state agency employees and planning board representatives. 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 mapping quality GPS data, import GPS data into GIS, hyperlink images to GPS points, work with a wide variety of GIS data layers including: surface water, wetlands, community infrastructure, conservation lands, wildlife action plan, develop natural resource inventories, display GIS data models in Google Earth, construct co-occurrence maps.

Provided equipment:
Each student will have the use of desktop computer with ArcGIS 9 and GPS software during class activities. Comprehensive manuals will be provided for each student for use during the course and to keep as a reference after the workshop.

Student projects:
Students interested in working on an individual project will be provided with GIS data for their area of interest and will be supported in their project work throughout the duration of the course.

Space is limited - register early

Course content info:
Shane at sbradt@ceunh.unh.edu or 603.862.4277
or http://extension.unh.edu/GISGPS/GISGPS.htm
or http://www.nhti.edu/businesstraining/technical.htm

Registration info:
http://www.nhti.edu/businesstraining/registration.htm
Kathleen at kmoore@ccsnh.edu or 603.271.6663

“When I took your 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 and NHTI are equal opportunity educators and employers. University of New Hampshire, U.S. Department of Agriculture, and NH counties collaborating.