

# GIS/GPS Boot Camp 2010

**Co-Sponsors:** UNH Cooperative Extension, NH GRANIT  
**Location:** G18 Pettee Hall, University of New Hampshire, Durham, NH  
**Dates & Times:** Jul 12-16 - 8am-4pm  
**Instructor:** Shane Bradt, Extension Specialist in Geospatial Technologies  
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**CEU's:** XX for NH Licensed Foresters  
XX for NH Licensed Land Surveyors

## Workshop Schedule:

### Day 1 Monday July 12th: GIS Basics, Intro to ArcGIS

8:00-8:30 **Course Introduction**  
8:30-9:30 **Getting to Know GIS**  
9:30-10:30 **ArcGIS Activity**  
Exercise 1: Tour of ArcMap  
10:30-10:45 BREAK  
10:45-12:00 **ArcGIS Activities**  
Exercise 2: Attribute Tables  
Exercise 3: Selecting Features  
12:00-1:00 LUNCH  
1:00-2:30 **ArcGIS Activities**  
Exercise 4: Thematic Maps  
Exercise 5: Layers  
2:30-2:45 BREAK  
2:45-4:00 **ArcGIS Activity**  
Exercise 6: Labels

## **Day 2** Tuesday, July 13th: **ArcGIS Skills**

8:00-8:15 **Review of day 1, overview of today**

8:15-9:00 **Discussion of GIS applications**

9:00-10:30 **ArcGIS Activities**

Exercise 7: Layout View

Exercise 8: Joining Tables

10:30-10:45 BREAK

10:45-12:00 **ArcGIS Activity**

Exercise 9: ArcCatalog

12:00-1:00 LUNCH

1:00-2:30 **ArcGIS Activity**

Exercise 10: GeoProcessing

2:30-2:45 BREAK

2:45-4:00 **ArcGIS Activity**

Exercise 12: Developing New Data

## **Day 3** Wednesday, July 14th: **NH GRANIT & Mini-project**

8:00-8:15 **Review of day 2, overview of today**

8:15-9:00 **Presentation: GIS data types, State sources of GIS data**

9:00-10:00 **NH GRANIT – New Hampshire’s GIS clearinghouse**

10:00-10:15 BREAK

10:15-10:30 **Presentation: NH GRANIT Data Mapper**

10:30-11:30 **GIS Activity**

Exercise: Getting to Know NH GRANIT Data Mapper

11:30-12:30 LUNCH

12:30-1:00 **Presentation: Local GIS data sources, GIS data management**

1:00-1:15 **Overview of mini-projects**

1:15-2:30 **ArcGIS Activity**

Mini-project work, students discuss academic projects with Shane

2:30-2:45 BREAK

2:45-3:45 **ArcGIS Activity**

Mini-project work, students discuss academic projects with Shane

3:45-4:00 **Wrap up, Questions**

## **Day 4** Thursday, July 15th: **Global Positioning System**

- 8:00-8:15 **Introduction & overview of day**
- 8:15-8:45 **Presentation: GPS technology overview**
- 8:45-9:30 **Field Activity: GPS waypoint collection**
- 9:30-9:45 **BREAK**
- 9:45-10:00 **Presentation: GPS accuracy**
- 10:00-10:45 **Field Activity: GPS navigation and hunt**
- 10:45-11:15 **Presentation: GPS navigation**
- 11:15-12:00 **Field Activity: GPS track collection**
- 12:00-12:45 **LUNCH**
- 12:45-1:15 **Presentation: Pictures, Points & Places**
- 1:15-2:15 **Field Activity: GPS and digital image collection**
- 2:15-2:30 **Presentation: GPS data and image downloading**
- 2:30-3:45 **Computer Activity**
  - Exercise: Joining pictures to points to make interactive maps
- 3:15-4:00 **Wrap up and questions on GPS**

## **Day 5** Friday, July 16th: **Sharing maps & Free GIS software**

- 8:00-8:15 **Review of Day 4 of the day, overview of today**
- 8:15-9:00 **Presentation: Options for sharing maps**
- 9:00-9:30 **Presentation: The Earth browsers & Google Earth basics**
- 9:30-10:15 **GIS Activity**
  - Exercise: Using Google Earth to create custom GIS maps
- 10:15-10:30 **BREAK**
- 10:30-11:30 **GIS Activity**
  - Exercise: Sharing maps online using Google Maps
- 11:30-12:00 **Converting GIS to Google to GIS**
- 12:00-1:00 **LUNCH**
- 1:00-1:30 **Presentation: Free GIS Programs**
- 1:30-2:30 **GIS Activity**
  - Exercise: Test drive of free GIS programs
- 2:30-2:45 **BREAK**
- 2:45-4:00 **Wrap-up, final participant questions, weekly evaluation**