

**Software Tools for Environmental Field Study**  
**1.992 Special Studies in Civil and Environmental Engineering**  
**Fall 2001 Term**

*Lecture 7.*

*10/26/01*

1. Introductions (10 mins)
2. Desktop and Mobile GIS (60 mins)
  - a. What is GIS?
  - b. GIS data types for Desktop Systems (Vector/Raster/Image)
  - c. Data Issues (Scale, Interoperability, Tilings)
  - d. Software and Programming for GIS
  - e. Demonstrations (Projections, ArcPad, Geology Notebook)
3. WorkingGroup Meetings (50 mins)