



## Introduction to ArcGIS 9 and Environmental Applications of GIS

Course ID: GIS-403

December 5 - 7, 2006, 8:30 A.M. to 5 P.M. (3 Days)

ExecuTrain Los Angeles

6053 West Century Blvd., Suite 150

Los Angeles, CA 90045

### Instructors:

*Dr. Cherie Northon and Dr. Thomas Eley, University of Alaska Anchorage*

**Description:** This 3-day hands-on class introduces participants to the environmental applications of ESRI's ArcGIS 9 software. Beginning with a discussion of general concepts and vocabulary, the course will move into teaching basic ArcGIS 9 functionality. Each participant will have their own computer workstation to create, edit, display and analyze real world environmental data during numerous hands-on exercises. On the third day, participants will be given an opportunity to become more proficient with their skills by applying their knowledge to more complex and in-depth projects.

### Course Sessions:

Overview of ArcCatalog and ArcMap	Manipulating Tables
Connecting to Data	Creating Tables
Adding Layers	Mapping Buffers
Working with Geographic Features	Symbolization
Feature Attributes within a Data Frame	Adding Database Features
Querying and Selecting Geographic Features	Layouts and Printing Maps
Editing Features	Basic On-Screen Digitizing/Georeferencing
Working With CAD Drawings	Intro to Spatial Analyst Extension
Creating Summary Charts	Intro to 3D Analyst Extension

After completing this course, participants will be able to:

- Apply a Conceptual Overview of GIS and Spatial Analysis to Environmental Data
- Understand and Utilize the Fundamental Capabilities ArcGIS 9
- Conduct Overlay Analysis
- Create Intersects, Buffers, Unions and Clips using the Geoprocessing Wizard
- Measure Spatial Relationships between Layers of Geographic Data
- Perform Complex Relational Database Queries
- Generate Presentation-Quality Maps





NORTHWEST ENVIRONMENTAL TRAINING CENTER

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## REGISTRATION FORM

Name: \_\_\_\_\_ Today's Date: \_\_\_\_\_

Agency/Organization: \_\_\_\_\_

Street Address: \_\_\_\_\_ Mail Code: \_\_\_\_\_

Street Address (cont.): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_ Title: \_\_\_\_\_

### Indicate Course(s):

**Introduction to ArcGIS 9 and Environmental Applications of GIS**

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*Course I.D. GIS-403 | December 5 - 7, 2006*

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**Registration: \$595 (\$495\*)**

\*Reduced rates for Native American tribes; nonprofits; government employees; students; and NEBC, NAEP, NWAEP members.

Payment Method: Check  PO  Credit Card (Visa or Mastercard)  Total: \$ \_\_\_\_\_

Credit Card or PO #: \_\_\_\_\_ Exp: \_\_\_\_\_

### Cancellation Policy:

Registration fees are fully refundable up to 30 days prior to the event and 50 percent refundable thereafter up to the day prior to the event. Registration may occur up to the day prior to the event provided that space is available.