

## **GIS Short Courses**

*Texas A&M Kingsville Citrus Center, Weslaco*

### **Beginners GIS (Geographic Information Systems)**

March 12, 2008 (8 hours of instruction)

### **Intermediate GIS (Geographic Information Systems)**

March 13, 2008 (8 hours of instruction)

Additional course information and registration will be posted at:

<http://idea.tamu.edu>

#### **What is GIS?**

GIS (Geographic Information Systems) is a computerized system designed to represent, illustrate and map lines (such as canals, streets), areas (such as fields, parks), and points (such as gates, valves, pump stations). GIS maps are based on real world coordinates. "Attribute" information on these features (size of fields, lengths of canals) can be stored and processed for analysis.

#### **Beginners GIS Course**

This is a 1-day introduction class on GIS and how to use ArcGIS 9 for producing maps of water distribution networks, service areas (fields) and related structures/facilities. Students will learn basic mapping skills including use of aerial photographs to quickly map areas/facilities and combining GIS layers to produce useful and informative maps.

#### **Intermediate GIS Course**

This is a 1-day advanced class on the use of ArcGIS 9, continuing from the beginner's course, covering topics such as:

- Calculating field areas and line lengths
- Advanced drawing techniques
- Linking the GIS with databases
- Formatting Layouts

**Note: Computers are limited, so you may bring your own your personnel computer.**

The Irrigation Technology Center is a center of the Texas Water Resources Institute, administrated through Texas AgriLIFE Extension and the Texas AgriLIFE Research.

Educational programs conducted by the Texas Cooperative Extension serve people of all ages regardless of socioeconomic level, race, color, sex, religion, handicap or national origin. The Texas A&M University System, U.S. Department of Agriculture and the County Commissioners Courts Texas Cooperating.

**Irrigation Technology Center/Texas A&M University System**

# GIS Short Course Registration Form

Texas A&M Kingsville Citrus Center, Weslaco

<http://idea.tamu.edu>

COURSE	LOCATION/DATE	REGISTRATION FEE*	
		District Personnel	Others
Beginners GIS	Weslaco, March 12	___\$25	___\$150
Intermediate GIS	Weslaco, March 13	___\$25	___\$150
	<b>Total</b>		

\* Please note that there is a reduced fee for Irrigation District Personnel due to the support from the "Rio Grande Basin Initiative for Irrigation Water Conservation".

Name \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_ Day Phone \_\_\_\_\_

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

Names of Additional Persons \_\_\_\_\_

PAYMENT OPTIONS:	SEND REGISTRATION FORM TO:
<input type="checkbox"/> Check <input type="checkbox"/> Money Order Total Enclosed (\$) _____ Payable to: <b>TEXAS AgriLIFE EXTENSION</b>	Irrigation Technology Center Department of Biological & Agricultural Engineering 207 Scoates Hall TAMU 2117 College Station, TX 77843-2117 Phone: (979) 845-3977      Fax:(979)-847-8828

For additional class information or questions, contact:

**Eric Leigh**

**Phone: (979) 458-3583, or Email: [eleigh@tamu.edu](mailto:eleigh@tamu.edu)**

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