

TEXAS A&M SCHOOL OF IRRIGATION

2008 Winter Short Course Schedule

ET and Sensor-based (“Smart”) Irrigation Controllers		
Frisco	November 6	8:30 am - 5 pm
Irrigation Water Management and Scheduling		
Frisco	November 7	8:30 am - 5 pm
Irrigation CAD Workshop		
day 1: 10 am - 6:30 pm		
day 2: 8:15 am - 4:45 pm		
College Station	December 16-17	
College Station	January 13-14	
Advanced Irrigation CAD Workshop		
College Station	December 18	10 am - 6:30 pm
College Station	December 15	10 am - 6:30 pm
Landscape Irrigation Auditing and Management		
day 1: 8:30 am - 5 pm		
day 2: 8:15 am - 4:45 pm		
San Angelo	October 21-22	
Austin	February 11-12	
Dallas Center	March 11-12	
LIA Certification Exam (~ 5 pm)		
San Angelo	October 22	
Austin	February 12	
Dallas Center	March 12	

*for classroom addresses and maps, see
<http://irrigation.tamu.edu>*

COURSE SPONSORS

Specific courses are being sponsored by the following (see website for details):

City of San Angelo
City of Frisco
Lower Colorado River Authority

HOW TO REGISTRATION

On-Line: <http://agrillifevents.tamu.edu>

By Telephone: 979.845.2604

By Mail/FAX: send registration form to:

Conferences Services
2139 TAMU
College Station, TX 77843-2139
FAX 979.862.4511

COURSES BY CITY

San Angelo
Landscape Irrigation Auditing October 21-22

Frisco
Sensor Based Controllers November 6
Irrigation Water Management November 7

College Station
Irrigation Cad December 16-17
January 13-14
Advance Cad December 18
January 15

Austin
Landscape Irrigation Auditing February 11-12

Dallas Center
Landscape Irrigation Auditing March 11-12

CONTINUING EDUCATION CREDIT

TCEQ (Texas Commission on Environmental Quality)
continuing education credits for **Licensed Irrigators:**

16 Hours
Landscape Irrigation Auditing and Management
Irrigation CAD Workshop

8 Hours
Irrigation Water Commercial Management
ET and Sensor-based (“Smart”) Irrigation Controllers
Advanced CAD Workshop

Visit Us on the Web...

TexasET Network: <http://TexasET.tamu.edu>

Provides daily weather and PET (ETo) data for over 32 locations in Texas and contains interactive calculators for determining irrigation needs and runtimes for turf, landscapes and agricultural corps. The site contains historic rainfall and PET (ETo) rates for 19 Texas cities and other resources related to water and irrigation.

Texas A&M School of Irrigation: <http://irrigation.tamu.edu>

Includes locations and schedules for upcoming classes, complete course descriptions and other information.

Irrigation Technology Center: <http://itc.tamu.edu>

Provides details on our programs to support landscape and agricultural irrigation in Texas and the status of the planned center to be built at Texas A&M-San Antonio

Complete course descriptions are on the Texas A&M School of Irrigation website - <http://irrigation.tamu.edu>

Landscape Irrigation Auditing and Management

(16 hours)

This two-day class covers irrigation system auditing and how to use ET (evapotranspiration) to develop irrigation schedules that conserve water while promoting quality landscapes. Students gain hands-on experience by performing three audits which includes system troubleshooting, catch can testing, determination of soil type and root depth, among other topics, and producing auditing reports. Students learn how to use to produce irrigation schedules.

Software and Manual

Registration includes copies of the auditing manual and the *Texas Landscape Irrigation Auditing and Scheduling Software*. This software is not for sale and is only available to course participants.

LIA Certification

Persons who complete the course are eligible to take our exam to become *Texas Certified Landscape Irrigation Auditors*. Upon passing the exam, you will receive a certificate acknowledging this achievement and be listed in our on-line directory of certified auditors.

Note: there are currently no clear regulations governing auditing in Texas, and certification is voluntary.

Irrigation Water Management and Scheduling

(8 hours)

In this class, students learn how to produce ET-based irrigation schedules including how to determine runtimes and number of irrigation per week. Students are introduced to irrigation auditing concepts and receive hands-on experience by testing an actual irrigation system. This course will be useful for landscape contractors, licensed irrigators and managers of large irrigated turf areas, as well as anyone interested in landscape irrigation and water conservation.

Irrigation CAD Workshop (16 hours)

In this two-day class, students are introduced to the two most widely-used CAD software packages and receive hands-on training in the use of one for design and specification purposes. Topics include use of the software and sprinkler database for designing systems, performing hydraulic calculations, and producing material and cost estimates. The class will take place in a computer classroom at Texas A&M University. Enrollment is limited. Students should be familiar with personal computers. No experience in CAD is required.

The **Texas A&M School of Irrigation**
is a program of the
Texas AgriLife Extension Service
and the
Irrigation Technology Center,
administrated through the
Bio and Ag Engineering Dept,
Texas A&M University, College Station.

NEW COURSES...

ET and Sensor-based ("Smart") Irrigation Controllers

(8 hours)

This course will provide instruction on weather and sensor based irrigation controllers as well as irrigation scheduling concepts. Students will learn how ET based controllers produce an irrigation schedule using different technologies. Students will have "hands-on" instruction on controller operation and set-up. The class will also cover smart controller bench testing protocols and related issues.

Advanced Irrigation CAD Workshop (8 hours)

This course is designed for students who have taken our introduction irrigation CAD class, a similar class, or who have had experience with the software. The course will provide an overview of basic concepts and skills as well as some of the more advance features of the software. Topics include the menu system of CAD software, use of the sprinkler database for selecting and locating heads, completing site drawings, assigning zones, manual and automatic pipe sizing, hydraulic calculations, and producing material and cost estimates. The course will place extra emphasis on sprinklers databases and material takeoff lists.

What to Bring....

A calculator, pen and pad for taking notes. Students in the Auditing and water management classes should wear appropriate clothes and shoes for outdoor activities including rain gear if needed.

For More Information...

Registration information:

Conference Services: 979.845.2604; fax 979.862.4511
<http://agrilifevents.tamu.edu>

Course contents or special needs:

Charles Swanson, 979-845-5614, clswanson@ag.tamu.edu

Guy Fipps, gfipps@ag.tamu.edu

Educational programs conducted by the Texas AgriLife Extension Service 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.
<http://tce.tamu.edu>