

ANNUAL SOUTHWEST ELECTRICAL METERING SCHOOL

October 17 - 21, 2005 :: TAMU Riverside Campus :: Bryan, Texas

Coordinated By:
TEEX Electric Power Training
Engineering, Utilities and Public Works Training Institute
Texas Engineering Extension Service
The Texas A&M University System

In Cooperation With:
Southwest Electrical Metering Association
M-E-21 (0705)



GENERAL INFORMATION

DATE: October 17-21, 2005

LOCATION: TAMU Riverside Campus
3100 State Highway 47, Building 6030
Bryan, Texas 77807

TIME: 10:30 a.m. - 1:00 p.m. Registration (First Day)
1:00 p.m. - 1:30 p.m. General Opening Session (First Day)
1:30 p.m. - 5:00 p.m. Sessions (First Day)
8:00 a.m. - 5:00 p.m. Sessions (Tuesday through Thursday)
12:00 noon Adjourn (Friday)

STUDENT PARTICIPANT FEE: \$195 (\$225 after 10/3/05)

EXHIBITOR SPACE: \$65 per table

MANUFACTURERS/SUPPLIERS FEE:

Members \$115 - school registration fee

Non-Members \$315 - \$200/non-member fee + \$115 school registration fee

Note: Mail non-member fee to SWEMA treasurer, Billy Peel.

For detailed information visit the SWEMA web site at <http://www.swema.org>

DISPLAYS

Manufacturers and suppliers from across the nation exhibit equipment and products Tuesday and Wednesday.

NOTES FOR 2005

1. Utility Representative Meeting - Wednesday at 10:00 a.m.
2. SWEMA Business Luncheon - Wednesday at noon
3. Manufacturers/Suppliers Exhibits - Tuesday and Wednesday
4. Certificates given to those participants with 100% participation

CEU Accredited Courses!

**To register for the
Annual Southwest Electrical Metering School
call 800-824-7303.**

COURSE INFORMATION

Certificates of Completion: Certificates are issued to participants with 100% attendance. (Roll will be taken at random times throughout each day.)

Please bring a scientific calculator for all courses.

COURSE 1 - EU-ED5002-06 INTRODUCTION TO ELECTRICAL METERING

This course is designed to provide essential basic training to individuals entering the electrical metering field. The emphasis on this course is on single-phase applications.

TOPICS

- Electric power systems and metering
- Energy/Power concepts
- Power triangle and vector concepts
- Meter theory
- Meter component analysis
- Meter testing concepts
- Load characteristics and lab
- Basic transformer theory
- Meter forms and applications
- Basics of meter safety and arcing demo
- Introduction to AMR systems

COURSE 2 - EU-ED5003-06 ADVANCED ELECTRICAL METERING

This course is designed to provide essential training to experienced meter technicians. The emphasis is on the poly-phase and advanced metering applications.

TOPICS

- Review of electrical power concepts
- 4W, 3P delta theory and metering applications
- 4W, 3P wye theory and metering applications
- Distribution transformer theory and metering applications
- Instrument transformer theory, testing and metering applications
- 3W, 1P and 3P theory and metering applications
- Distribution transformer lab

REQUIRED EQUIPMENT FOR LAB

- Class 0 (zero) rubber gloves
- Hardhat
- Safety glasses
- Multimeter, optional

COURSE 3 - EU-ED5004-06 COMPLEX ELECTRICAL METERING TECHNOLOGY

This course is designed to provide the experienced technician with the latest technological changes and improvements in the metering field.

TOPICS

- SCADA principles
- Complex metering
- Power quality measurements
- Transformer loss compensation
- High-end meter applications
- In-service testing of instrument transformers
- KYZ metering
- Underglass recorders
- Integrated communications
- Fiber optics and instrument transformers
- Field testing of solid state meters and devices
- Radio communications

COURSE 4 - EU-ED5005-05 DIVERSIFIED ELECTRICAL METERING TECHNOLOGY

This course is designed to provide experienced metering personnel an opportunity to select the training topics to meet their individual training needs.

Limited to the first 25 people who register.

Design your own course! Choose topics you wish to attend from Courses 1, 2, and 3.

How to register for Course 4:

1. Call our office, or fax your registration form indicating your choice as Course 4.
2. A list of the available course topics and the times they are scheduled is faxed to you.
3. Return your choice of topics to our office. We must receive your choices at least two weeks prior to the school in order to prepare a notebook for you.

Phone: 800-824-7303 or 979-458-2001

Fax: 979-458-1426

STUDENT REGISTRATION

ANNUAL SOUTHWEST ELECTRICAL METERING SCHOOL, OCTOBER 17-21, 2005

MAIL: Customer Care Center
Engineering, Utilities and Public Works Training
Texas Engineering Extension Service
301 Tarrow Street
College Station, Texas 77840-7896

PHONE: 800-824-7303

FAX: 979-458-1426

Please Print Clearly

PAYMENT INFORMATION

Advance registration is required. Payment must accompany registration. Make check, cashier's check or money order payable to Texas Engineering Extension Service.

Arrange payment by one of the following methods:

- Check enclosed – (Please put course name and date on your check)
- Purchase Order – (Copy of official company PO must be attached)
- Credit Card

MasterCard VISA American Express Discover

Name on card _____

Acct # _____ Expires _____

CCV# (7-digit number on the back of the card under the signature) _____

Signature _____

If you select method #2, you will receive an invoice from TEEX.

State law requires that you be informed of the following: (1) you are entitled to request to be informed about the information about yourself collected by use of this form (with a few exceptions as provided by law); (2) you are entitled to receive and review that information; and (3) you are entitled to have the information corrected at no charge to you.

FEES

School Participant - **\$195** (\$225 after 10/3/05)

SUPERVISOR

Name _____

Title _____

Organization _____

Address _____

City/State/Zip _____

Telephone _____

STUDENT NAME (Print name to appear on certificate.)	SSN* #	COURSE #	FEE**
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

*Section 7(b) of the Privacy Act of 1974 (5 U.S.C. 552a) requires that when any federal, state or local government agency requests an individual to disclose his or her social security account number (SSN), that individual also must be advised whether that disclosure is mandatory or voluntary, by what statutory or other authority the number is solicited and what uses will be made of it. (Call 800-824-7303 for full privacy statement.)**Unemployed retirees receive complimentary registration.

TOTAL FEE \$ _____

TRANSFERS, CANCELLATIONS AND REFUND POLICY

If you cannot attend a class, you may contact TEEX in advance to transfer to a future session or you can transfer your seat to another person. A registrant may transfer twice without a service charge. Any additional transfers will be subject to a \$25 transfer fee.

If you must cancel attendance at a TEEX course, TEEX will provide a full refund if the cancellation is accomplished no later than 14 calendar days before the start of the class. Cancellations received less than 14 calendar days are subject to a cancellation fee of \$25 if the course is less than 40 hours in length. Courses that are greater than 40 hours in length are subject to a cancellation fee equal to 10% of the class tuition.

Registered participants who do not cancel and do not attend their scheduled sessions are liable for the entire tuition.

With few exceptions, you have the right to request, receive, review and correct information about yourself collected using this form.

TEEX is EEO compliant. For more information, call 800-824-7303.

EXHIBITOR REGISTRATION

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Please Print Clearly

Contact Name _____ Table Name _____

Title _____ Organization _____

Address _____

City/State/Zip _____

Phone _____ Fax _____

Attending exhibitors are responsible for the cost of the Exhibit Table **and** the registration fee for each table representatives. Please complete the form below and submit your payment with the registration.

MEMBERS REGISTRATION FEE: \$115 per person

TABLE REPRESENTATIVE	SSN* #	EXHIBIT SPACE \$65 PER TABLE <small>(please enter the number of tables you are requesting)</small>	MEMBER REGIS. FEE \$115	NOTEBOOK \$26.50 (OPTIONAL)
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____

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NON-MEMBER REGISTRATION FEE: \$315 per person - \$200/Non-Member Fee + \$115/Member Fee (**Note:** Mail non-member registration fees to SWEMA treasurer, Billy Peel. For detailed information visit the SWEMA website at <http://www.swema.org>.)

Member registration, exhibit space and notebook fees should be listed above and are payable to TEEX.

TOTAL (EXHIBIT SPACE + MEMBER + NOTEBOOK) \$ _____

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