



## Professional Education Opportunities at ITRC - 2018

Visit our website at [www.itrc.org](http://www.itrc.org) to obtain the latest information.

### Flow Measurement & Canal Operation CSU Chico

February 6-8, 2018 (9 am-4 pm)

ITRC provides annual flow measurement and canal operation training for operators in the Chico area in cooperation with CSU Chico. Some of the topics include: flow measurement details such as how to properly use a meter gate, how to get more water through various structures, and an introduction to SCADA.

### Irrigation District School of Irrigation Winter 2018 at ITRC (8 am-5 pm)

**Sponsor: USBR Mid-Pacific Region**

ITRC is providing several training and educational opportunities for staff, engineers, and board members of agricultural irrigation districts, as well as water operators. These classes utilize the excellent indoor and outdoor facilities at Cal Poly.

#### Water Operator Classes

FLOW MEASUREMENT & CANAL OPERATION

#### 1<sup>st</sup> session

Jan. 24-26, 2018

#### 2<sup>nd</sup> session

Feb. 28-March 2, 2018

### SCADA March 26-30, 2018 at ITRC (8 am-5 pm)

**Sponsor: USBR Mid-Pacific Region**

#### SCADA Basics – March 26

This one-day class is designed to introduce SCADA for those new to the field, starting with electric and electronic fundamentals. This course is a recommended prerequisite to the Advanced SCADA class, regardless of experience level.

#### Advanced SCADA for Technicians – March 27-30

This four-day class provides an overview of typical SCADA technician roles and responsibilities. Topics/labs include: sensor overview, sensor calibration, introduction to Programmable Logic Controller with Structured Text, intro to touchscreen configuration, radio path testing, intro to Human-Machine-Interface (HMI), and troubleshooting.

### Ag Irrigation System Evaluation Short Course June 2018 Sponsor: DWR

#### ISE I: Theory and Laboratory Practice of Evaluations.

This 2½-day course will be held **June 18-20, 2018**. The class combines classroom (50%) and outdoor laboratory (50%) activities. Efficiency definitions and techniques of evaluation are emphasized, ranging from how to take a pressure measurement to what specific measurements are needed for the evaluation of six distinct irrigation methods (furrow, border strip, hand move/side roll sprinkler, linear move sprinkler, undertree sprinkler, and drip/micro). The course is not mathematically oriented, since the calculations are manipulated by the new and revised Cal Poly/DWR expert system Irrigation Evaluation programs.

#### ISE II: San Joaquin Valley Field Evaluations of Drip/Micro Systems

This 2½-day class, held on **June 20-22, 2018**, travels to the San Joaquin Valley and performs the entire evaluations on 2 fields. Emphasis is on performing the field evaluations for drip and microspray irrigation systems on trees/vines. This class allows for more extensive field training to help with the comprehension of the materials from Class 1.

### Designer/Manager School of Irrigation at ITRC (8 am-5 pm)

The Designer/Manger School is a comprehensive educational program offering a variety of classes designed for both agricultural and landscape irrigation professionals.

#### Winter Classes March 2018

Monday	Tuesday	Wednesday	Thursday	Friday
5 Fertigation	6	7	8	9

#### Summer Classes July/August 2018

Monday	Tuesday	Wednesday	Thursday	Friday
30	31 Basic Soil, Plant & Water Relationships	1 Irrigation Scheduling, Salinity & Drainage	2 Irrigation Scheduling, Salinity, & Drainage	3
6 Basic Pipeline Hydraulics I	7 Basic Pipeline Hydraulics II	8 Pumps I	9 Pumps II	10 Pumps II
13 Fertigation	14 Row Crop Drip Irrigation	15 Drip/Micro Irrigation Design	16 Drip/Micro Irrigation Design	17 Drip/Micro Irrigation Design

### Irrigation District Custom Classes

In addition to the classes offered throughout the year, ITRC can provide training specifically tailored to the needs of individual districts or companies. For example, in the past, we have offered modified classes in flow measurement, canal operation, SCADA, and drip irrigation.

For more information, please contact:  
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