

Electrical calibration

MET-101 Basic Hands-On Metrology

Popular four-day "how to" workshop that introduces basic measurement concepts, basic electronics related to measurement instruments and math used in calibration. Exercises with calibration equipment demonstrate techniques used to make proper measurements. Course number TRC 1101. Starts Mondays.

SEA April 20 to 23, 2015
August 17 to 20, 2015
November 9 to 12, 2015

MET-301 Advanced Hands-On Metrology

Powerful four-day workshop that introduces the student to advanced measurement concepts and math used in upper echelon calibration labs and primary standards labs. Exercises in the course demonstrate techniques for making proper high precision measurements using reference standards. Course number TRC 1301. Starts Mondays.

SEA May 18 to 21, 2015
November 16 to 19, 2015

MET-302 Introduction to Measurement Uncertainty

This three-day course will introduce the students to basic measurement uncertainty concepts, concentrating on development of uncertainty budgets. These concepts may be applied to all aspects of measurements. Course number TRC 1302. Starts Tuesdays.

SEA May 5 to 7, 2015
October 20 to 22, 2015

CLM-303 Effective Cal Lab Management

This dynamic four-day course is focused on the challenges facing cal lab managers today. In this class, you will learn how to improve operating efficiency of your cal lab, understand the fiscal aspect of management, comply with various international standards and more.

SEA Course number TRC 1015. Starts Mondays.
April 27 to 30, 2015
November 2 to 5, 2015

MC-203 Crystal Report Writing

This 3-day class allows users to make the most of information stored in the MET/TEAM database through use of Crystal Reports. Learn to analyze, filter and format data to effectively chart your workflow processes and improve the look of documentation for management and customers.

SEA Course number TRC 1203. Starts Tuesdays.
March 3 to 5, 2015
September 22 to 24, 2015

MC-205 Calibration Asset Management

The five-day course on asset management uses MET/TEAM software for generating reports, data collection and to consistently and completely manage your metrology assets. Learn to use Fluke Calibration software to its fullest potential including data validation and powerful searching, sorting and reporting.

SEA Course number TRC 1205. Starts Mondays.
February 23 to 27, 2015
June 8 to 12, 2015
September 14 to 18, 2015
December 7 to 11, 2015

MC-206 Basic MET/CAL® Procedure Writing

In the five-day Basic Procedure Writing course, you will learn to configure MET/CAL software to establish and maintain traceability, create and edit calibration procedures, and customize the format of reports and calibration certificates. The majority of the class time is spent in hands-on development of MET/CAL procedures and reports.

SEA Course number TRC 1206. Starts Mondays.
March 9 to 13, 2015
June 15 to 19, 2015
September 28 to October 2, 2015
December 14 to 18, 2015

MC-207 Advanced MET/CAL® Procedure Writing

This five-day in-depth course is for experienced MET/CAL programmers who wish to enhance their procedure writing skills. Students will focus on the use of instrument communication with the IEEE, PORT, VISA, MATH and LIB FSCs, the use of memory registers in procedures, and will create a complex procedure using live instrumentation.

SEA Course number TRC 1207. Starts Mondays.
March 23 to 27, 2015
August 31 to September 4, 2015

Temperature calibration

Principles of Temperature Metrology

A three-day introduction to temperature metrology covering: ITS-90 principles, traceability, thermometry, calibration systems, measurement techniques, uncertainty budgets, quality assurance and more. This is a metrology training course with a good mix of hands-on for technicians, metrologists, and engineers who need to validate or refresh their knowledge of temperature metrology, as well as those who may be new to temperature calibration.

SLC Course number TRCT 9355-1.
April 14 to 16, 2015
June 9 to 11, 2015
October 13 to 15, 2015

Advanced Topics in Temperature Metrology

A three-day course for those who really need to get into the details covering: ITS-90 calibration, process design, curve fitting, uncertainty analysis, and advanced procedures for reducing uncertainties. This is a metrology training course for technical experts, metrologists, and engineers in primary and secondary temperature calibration laboratories who would like to validate, refresh, or expand their understanding of key advanced topics in temperature metrology.

SLC Course number TRCT 9355-3.
September 15 to 17, 2015

Pressure and Flow calibration

Gas Flow Calibration Using molbloc/molbox™

A four-day practical training course in the operation and maintenance of a Fluke Calibration molbloc/molbox system. The course's central objective is to assure optimum system use. Course enrollment is typically limited to eight participants per class. This course is conducted at the Fluke Calibration facility in Phoenix, AZ, but can also be arranged at remote locations.

PHX Course No. TRN-FLW-BAS.
March 24 to 27, 2015
June 2 to 5, 2015
November 3 to 6, 2015

Setting Up and Using COMPASS® for Pressure Software

A four-day comprehensive course on the setup and operation of COMPASS for Pressure Calibration Management Software. The course starts with an overview of COMPASS for Pressure objectives, general principles and structure. Attendees are then led through various aspects of COMPASS setup and operation from creating and running simple tests to the use of advanced devices under test, advanced tests and macros. Actual, real time examples are run and attendees follow along on their own hardware.

PHX Course number TRN-COMPASS-PRS.
February 9 to 12, 2015
September 28 to October 1, 2015

Principles of Pressure Calibration

A five-day training course on the principles and practices of pressure calibration using digital pressure calibrators and piston gauges (pressure balances). The class is designed to focus on the practical considerations of pressure calibrations. The topics begin with the fundamental physics of pressure, moves through metrological terminology, discussion on calibration principles, piston gauge fundamentals, and a discussion on the day-to-day issues that can influence the quality of a calibration. A focal point of the class is hands-on calibration exercises.

PHX Course number TRN-PRS-BAS.
February 23 to 27, 2015
May 18 to 22, 2015
October 5 to 9, 2015

Advanced Piston Gauge Metrology

A five-day course focusing on the theory, use and calibration of piston gauges and dead weight testers. Students will become familiar with all variables of the piston gauge pressure equation, operational characteristics of a piston gauge, the use of ancillary instruments that are used with a piston gauge, and how to maintain and calibrate the piston gauge metrological elements. Hands on exercises are stressed in this course such as calibrations of transfer standards including high precision quartz bourdon tube gauges, crossfloating dead weight testers and crossfloating to determine the effective area of piston-cylinders.

PHX Course number TRN-PRS-ADV
April 20 to 24, 2015
October 19 to 23, 2015

Self-paced online courses and instructor-led web-based also available. For details visit: <http://www.flukecal.com/self-paced>

2015 Calibration Training Course Planner



