

# Instrument Manager™ Foundations of Rule Writing Blended Course

## Course Description

Foundations of Rule Writing is an immersive learning journey. This blended course introduces the techniques of rule writing while focusing on the fundamentals needed to successfully incorporate rules into a lab workflow. The curriculum includes writing, testing, and managing rules within a virtual lab environment.

## Course Overview

- Blended learning course
- Six virtual Instructor-Led Training (ILT) sessions
- One to two hours of self-paced eLearning Prep Work prior to class start
- One to two hours of self-paced eLearning between virtual ILT sessions

Course length: One week of Prep Work and three weeks ILT

## Prerequisites

No prerequisite courses are required. Participants should have a basic knowledge of Instrument Manager, internal laboratory workflows, and an understanding of their Laboratory Information System (LIS).

## Technology Requirements

- A dual extended monitor set up is required with at least one large monitor (i.e. 22 in)
- A microphone is required
- Precheck complete to AWS WorkSpaces



# Instrument Manager™

## Foundations of Rule Writing

### Blended Course

#### Course Agenda - Prep Work

Complete the required eLearnings prior to the first day of class. Prep Work is self-paced. Access granted one week prior to first instructor led session.

- Data Flow & Rule Locations
- Drivers, Configurations, & Connections
- Data Elements and the Specimen Event Log (SEL)
- Rule Writing 101
- Rule Writing Techniques

#### Course Agenda - Week One

##### Day One ILT

- Welcome and Introductions
- Practicing Add and Hold Test Actions
- Working with Panes and the Toolbox
- Applying the Is Numeric Operator

##### Day Two ILT

- Working with Operators: NOT, NULL, Any, and That
- Hold Test Results with Error Codes
- Remove Tests Using the Cancel Test Action

#### Course Agenda - Week Two

##### Day Three ILT

- Writing Rules for a Workflow using the SM Workspace
- Modify Results with the Set Action
- Differentiate Operators: Extract Section of vs Extract Component of

##### Day Four ILT

- Evaluating Ranges with OR Operator
- Ordering Tests utilizing Actions Add Test and Set
- Using the Else Statement
- Errors Demonstration

#### Course Agenda - Week Three

##### Day Five ILT

- Converting Rules with Value List
- Understanding User Fields by Parking Data
- Setting up Language Locale
- Applying Round Action to Calculation Rules

##### Day Six ILT

- Value Lists Maintenance for Parent/Child Rules
- Importing and Exporting Rules
- Common Errors When Writing and Testing Rules

#### Topics Covered in Self Paced Sessions

- Rule Writing Techniques
- Data Elements, Operators, and User-defined Values
- Differentiate Actions: Add vs. Set
- Rules Testing
- Comparing Actions Add Test vs Order Test
- Rule Management Options
- Streamlining Rules Using Value Lists
- Parent/Child Rules