SU-635

Apex-Gamma™ Operations

DESCRIPTION

This 4-day course focuses on the Apex-Gamma "Lab Productivity Suite" software setup, database interactions, and automated sample processing operations. Approximately 60% of this course will be presented in lecture format, with the remaining time allocated for hands-on exercises and discussion. The training will cover: architecture of the Apex-Gamma environment, interactions with Genie™ editors and facility database software, installation, operational setups, security, sample counting job streams, reports, QA, data review, and event logging. Discussions will also include the NPP reports option and the supported modifications to standard Apex-Gamma reports.

HOW YOU WILL BENEFIT

Attendees who complete this course will gain a thorough understanding of how to correctly prepare the software as it is designed, and how to implement count room procedures for gamma counting in a complex multi-detector analytical environment. Supervisors and managers benefit from their staff's improved level of software understanding, ensuring a more efficient and defensible analytical program.

WHO SHOULD ATTEND

Technologists, count room managers or supervisory personnel who are responsible for setup, processing, reporting and/or data review of Gamma results will greatly benefit from taking this class.

COURSE CONTENT

✔ Apex-Gamma Lab Productivity Suite Overview
  – General Product Description and Requirements
  – Interaction with Genie software
  – Interaction with Databases
  – Count Room Automation

✔ Genie Editors - Introduction/Review
  – MCA Input Definition Editor
  – Nuclide Library
  – Analysis Sequence
  – Certificate Editor
  – QA File Editor
✔ Preliminary Planning for Apex-Gamma Setup
  – Facilities, Workstations, and Detectors
✔ Apex-Gamma Operation Environment and Directory Structure
✔ Apex-Gamma Operation Setup Details
  – Facilities, Groups, Detectors, Workstations
  – Calibration Parameters, Geometries
  – Data Review, QA Files, Reports, Event Log, Display Preferences
  – Nuclide Library Files, NPP Reports
✔ Apex-Gamma Calibration Operations
  – Energy/Shape and Efficiency Calibrations
  – Calibration Approval, Confirmation, and Recalibration Options
✔ Apex-Gamma Sample Setup (Sample Point Association, Procedures, Sample Types)
✔ Apex-Gamma Main View - Sample Processing
  – Counting Logged Samples
  – Counting Un-logged Samples
✔ Apex-Gamma Reports and Data Review
✔ Apex-Gamma Background Subtraction (Area Correction) Options

PREREQUISITES

Basic familiarity with Microsoft Windows 2000/XP/7 operating systems as well as basic computer literacy is required.

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Ⓣ **FUNDAMENTALS**

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