



SU-642

Apex-Alpha™ Advanced Topics

DESCRIPTION

This 2-day course is a combination of lecture and practical examples covering the optimization of Mirion Apex-Alpha software. Approximately 40% of the course will be presented in lecture format, with the remaining time allocated for hands-on learning activities and associated discussions. The course covers a full range of system optimization tips and techniques, and is conducted in an interactive style to encourage active participation by all attendees.

HOW YOU WILL BENEFIT

Attendees who complete this course will gain a thorough understanding of the practical measures necessary to optimize the Mirion Apex-Alpha system. This knowledge enables the attendee to correctly prepare the software as it is designed, in a complex multi-detector analytical environment. Supervisors and managers will benefit from an improved level of software understanding on the part of their Apex-Alpha system administrator, ensuring a more efficient and defensible analytical process in the laboratory.

WHO SHOULD ATTEND

Technologists or supervisory personnel who are existing administrators or potential administrators of Apex-Alpha systems should attend. Attendees should have a good working knowledge of Apex-Alpha software. This course is not recommended for users who have never operated an Apex-Alpha system or who have never attended previous formal Apex-Alpha training.

COURSE CONTENT

This seminar will review the complete range of Apex-Alpha operations from calibration through the generation of analytical results. All software operations related to calibration, analysis setup, analysis options, report generation, report review, and quality assurance measures will be taught to the expert level. Some example topics are - Consequences of sample separation and preparation:

- ✓ Optimizing set up of computer functionality for system use (e.g., power management, fast user switching, Registry settings, cache settings for large banks of detectors, and etc.)
- ✓ Quality Control setup and evaluation for chemistry, backgrounds, and control samples.
- ✓ How to determine if you have a Quality Assurance File corruption and resolution.
- ✓ How to use the powerful and versatile Data Review functionality in Apex-Alpha software. Specific examples using the Data Review functionality will be demonstrated, including how to adjust and import ROI(s), importation of backgrounds, change libraries, reports, and import new QA results to optimize your results.
- ✓ The CAM file structure, its main purpose, and how it is used in the Apex-Gamma™ database architecture. 'Rules' for using CAM files in the Apex® architecture will be addressed.
- ✓ The relationship and difference between the Genie™ Analysis Sequence File and the Apex Procedure and how to optimize both. Some of the common analysis steps available in the Genie Analysis Sequence editor are not used under Apex-Alpha software.
- ✓ Integrating your data with external data management systems, such as LIMS, intranet viewing pages, spreadsheets, and other external systems. This course will give you a brief review of the many ways to export data out of Apex-Alpha software.
- ✓ Apex-Alpha database backup and recovery.
- ✓ Using Microsoft's SQL-Server Management Studio Express for assistance in database administration.

PREREQUISITES

Students planning to attend this "Advanced Topics" training course must have a good working knowledge of the basic features and setup options available in the standard Apex-Alpha software. Prior completion of Mirion's Apex-Alpha TrainingTrax through course SU-640 is strongly recommended.