

OTC-02

Gas Chromatography Online Training

We have distilled critical knowledge of Chromatography applications and instrumentation into our range of exciting and interactive Online Training Courses.

The Fundamentals of Gas Chromatography

Course Description

For the less experienced chromatographer or those wishing to update their skills, this course covers the fundamentally important concepts in modern GC analysis.

Basics of the chromatographic process, sample preparation, inlet systems, column and detector selection are important topics covered to give the participant a thorough grounding in the technique. Instrument hardware is also covered with basic troubleshooting and maintenance tips as well as an introduction to chromatographic optimization.

Course Content

- Basic Principles of the Chromatographic Process
- Overview of System Components
- Main Mechanisms of Gas Chromatography
- Temperature / Retention Relationship
- Sample Preparation Protocols
- Sample Introduction - Principles, Choice of Technique, Operation.
- Column Theory and Stationary Phase Considerations
- Detectors - Choice and Operation (including FID, ECD, TCD,..)
- Basic Maintenance and Troubleshooting
- Methods of Quantitation

Course Duration

- 10hours/4 days/2.5 hours per day



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