

THEORETICAL & PRACTICAL TRAINING IN GAS CHROMATOGRAPHY (GC)

TRAINING COURSE DESCRIPTION

This course is designed for beginners and intermediates advanced level users in GC who want practical laboratory experience. The lectures provide the fundamentals needed to understand the technique and instrumentation involved in this powerful analytical tool.

Training contents ...

Theoretical section

Theory of separation methods
An Introduction to chromatographic separations
- General description of chromatography
- Classification of chromatographic methods
Elution chromatography on columns
- Chromatographic properties and evaluation
- The general elution problem
Applications of chromatography

Practical section

General principles of GC
Components of the GC system
Separation modes
Derivatization methods
Injection techniques
Columns type and efficiency
Hyphenated technique (GC/MS)
Applications (qualitative and quantitative analysis)
Chromatograms evaluation

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