

THEORETICAL & PRACTICAL TRAINING IN HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

TRAINING COURSE DESCRIPTION

This course is designed for beginners and intermediates level users in HPLC 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
- General elution problems
Columns properties and scales
Applications of chromatography

Practical section

General principles of HPLC
Components of the HPLC system
Separation modes
Columns type and stationary phase preparation and packing
Hyphenated techniques (LC/MS)
UHPLC technology
Applications (qualitative and quantitative analysis)
Chromatograms evaluation

Ahmad Aqel Ifseisi
Assistant Professor of Analytical Chemistry
Advanced Materials Research Chair
College of Science, Department of Chemistry
King Saud University
P.O. Box 2455 Riyadh 11451 Saudi Arabia
Building no. 05, Labs AA53 & AA54
Mob. 0505284007
Web site: <http://fac.ksu.edu.sa/aifseisi>
E-mail: aifseisi@ksu.edu.sa

Good Luck
