

General Topics

Aims of Analytical Chemistry and its Importance for Society The Analytical Process
Quality Assurance and Quality Control

Chemical Analysis

Fundamentals of Chemical Analysis Chromatography and other Modern Separation
Techniques Kinetics and Catalysis Methods and their Applications

Physical Analysis

Element Specific Analysis Compound and Molecule-Specific Analysis Microbeam and
Surface Analysis Structure Analysis

Computer-Based Analytical Chemistry (Cobac)

Chemometrics Computer Hard- and Software and Interfacing Analytical Instruments and
Computers

Total Analysis Systems

Hyphenated Systems Miniaturized Analytical Systems Process Analytical Chemistry

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