

COURSE TITLE:

QUALITY ASSURANCE OF ANALYTICAL METHODS

COURSE DESCRIPTION:

Historical review about quality control and quality assurance systems. Comparison of ISO 9000 and ISO 17025 systems, quality cycle in case of testing laboratory. Quality management, quality audit. Characteristics of an analytical method, sampling and evaluation procedures. Standard operation procedures, validation. Equipment maintenance, calibration, training. Authorized personnel descriptors. Examples of proper use and preparation procedures of certified reference materials.

LITERATURE:

P. Quevauviller, E.A. Maier, B. Griepnik (eds.): Quality assurance for environmental analysis, Elsevier-Amsterdam, 1995

E. Prichard, V. Barwick: Quality assurance in analytical chemistry, Wiley 2007

TEACHER:

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