

COURSE TITLE:

## ENVIRONMENTAL SAMPLING 3 (PHYSICAL APPLICATIONS)

COURSE DESCRIPTION:

Sampling from soil, sample preparation for several measurements, like x-ray fluorescence, gamma-spectroscopy.

Sampling from subsurface waters, dissolved radon gas sampling difficulties, comparison of the used procedures. Systematic uncertainties of the measurements.

Filed measurements of electromagnetic radiation, and 50 Hz electromagnetic field, environmental noise and natural gamma dose intensity. Mapping of environmental parameters.

Measurement of micrometeorological parameters.

LITERATURE:

M. Stoeppler: Sampling and sample preparation, Springer-Verlag Berlin Heidelberg 1997, ISBN-13: 978-3642644863

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