

COURSE TITLE:

ENVIRONMENTAL TECHNOLOGIES

COURSE DESCRIPTION:

Formation and chemical characterization of soils. Analytical methods for determination of industrial contaminants of soils, sediments and surface waters. Monitoring methods. Remediation of polluted soils, phytoremediation. Wastewater treatment technologies. Protection of drinking water reservoirs. Biological and chemical methods of water quality measurements. European Directives of Water Quality.

LITERATURE:

S. E. Manahan: Environmental Chemistry, CRC Press, Boca Raton, Florida, 1994

D. Skoog, D. West, J. Holler: Fundamental of Analytical Chemistry, Saunders College Publishing, 1992.

T. Reemtsma, M. Jekel (editors) Organic Pollutants in the Water Cycle, Wiley, 2006.

TEACHER:

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