



SUBJECT DATASHEET

Semester:	2010/11/2
Subject:	Air Pollution Control Laboratory Practice
Code:	VEMKKVT232L
Responsible department:	Department of Environmental Engineering
Responsible department code:	MKKV
Responsible lecturer:	Dr. Tatiana Yuzhakova

Educational objectives:

To strengthen practical knowledge of students in the planning and application of air pollution control processes

Detailed content of the subject:

The laboratory practices are scheduled for half of semester, once a week, duration of each practice is four hours. The measurements to be done: Measurement of parameters of gas carrying pollution Dust sampling from a closed system, measurement of dust concentration. Measurement of particle size distribution by photo-sedimentograf and cascade impact method. Measurement of nitrogen oxide immission by impinger method. Measurement of sulfur dioxide immission by impinger method. Field trip to industrial sites of the region, familiarization with air pollution control processes.

Requirements:

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Required and suggested references:

Sipos Zoltán: Ipari levegőtisztaság védelem. Műszaki Könyvkiadó, Budapest. 1987. Woperáné, Serédi Ágnes: SO_x és NO_x emisszió csökkentése. Debrecen. 1991. Kenneth E. Noll, Vassilios Goumar: Adsorption Technology, Lewis Publishers, Chelsea, 1992. Ronald M. Heck, Robert J. Farrauto: Catalytic Air Pollution Control, Van Nostrand Reinhold, London, 1995. Seymour Calvert, Herold M. Englund: Handbook of air pollution technology, John Wiley & Sons, New York, 1984