



## COURSE DATASHEET

<b>Semester:</b>	2012/13/1
<b>Course:</b>	Air Pollution Control lab. Prac.
<b>Code:</b>	VEMKKVM432L
<b>Responsible department:</b>	Department of Environmental Engineering
<b>Department code:</b>	MKKV
<b>Responsible instructor:</b>	Dr. Tatiana Yuzhakova

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### Course objectives:

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

### Course content:

1. Laboratory practices connected to the lecture and seminar materials, investigation of adsorption catalytic processes by using structural methods.
2. Investigation of active sites, acid sites on catalytic surface.
3. Tracking catalytic processes with GC-MS technique.
4. Investigation of exhaust gas cleaning system of motor vehicles.
5. Reduction of nitrogen oxide emission

### Requirements, evaluation and grading:

Measurement accomplishment, preparation of laboratory practice written documentation, pass of theoretical part of practice

### Required and recommended readings:

A mérések elvégzése, jegyzőkönyv készítése, beszámolók a mérések elméleti anyagából.