



SUBJECT DATASHEET

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| Semester: | 2011/12/1 |
| Subject: | Air Pollution Control lab. Prac. |
| Code: | VEMKKVM432L |
| 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 application of air pollution control processes.

Detailed content of the subject:

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:

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

Required and suggested references:

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