



## COURSE DATASHEET

<b>Semester:</b>	2012/13/2
<b>Course:</b>	Up-to-date chemical engineering laboratory practice
<b>Code:</b>	VEMKFMM236M
<b>Responsible department:</b>	Department of Chemical Engineering Science
<b>Department code:</b>	MKMU
<b>Responsible instructor:</b>	dr. László Szokonya

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### Course objectives:

Students acquire knowledge about up-to-date chemical engineering processes.

### Course content:

1. Ultrafiltration
2. Pressure swing adsorption (PSA)
3. Extractive distillation
4. Supercritical extraction
5. Simulated moving bed (SMB) liquid chromatography
6. Fluidized-bed drying systems
7. Crystallization
8. Pervaporation

### Requirements, evaluation and grading:

During the semester 8 measurements must be accomplished and evaluated. If the average of these measurements is below 2, the laboratory practice must be repeated in the next semester. The two oral examination average value is taken into account in the laboratory practice note.

### Required and recommended readings: