



COURSE DATASHEET

Semester:	2016/17/1
Course:	Advanced Unit Operation laboratory practice
Code:	VEMKFMM236M
Responsible department:	Department of Chemical Engineering Science
Department code:	MKMU
Responsible instructor:	dr. László Hanák

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: