



COURSE DATASHEET

Semester:	2015/16/2
Course:	Fine chemical technologies
Code:	VEMKTEV213F
Responsible department:	Department of Chemical Engineering Science
Department code:	MKMU
Responsible instructor:	Dóra Rippelné Dr. Pethő

Course objectives:

Introduction to the separation processes of the pharmaceutical and fine chemical industry.

Course content:

1. Registration 2. Gas adsorption processes, PSA, high purity gas 3. Stationary bed processes, fluid adsorption processes 4. Ion-exchange, parametrical pumping 5. Preparative fluid chromatography 6. SMB 7. 8. Bioseparation processes 9. Solid-fluid extraction with reaction, supercritical extraction 10. Nuclear power plant water system ; Membrane separation 11. Extractive, azeotrope, pressure changing distillation 12. Special drying processes 13. Granulation 14. TQM in the pharmaceutical and fine chemical industry

Requirements, evaluation and grading:

Mid-term papers' mean average ≥ 2 , the papers give 30% of the final grade.

Required and recommended readings:

Tanszéki jegyzetek.