



COURSE DATASHEET

Semester:	2015/16/2
Course:	Unit operations A
Code:	VEMKMUB244A
Responsible department:	Department of Chemical Engineering Science
Department code:	MKMU
Responsible instructor:	Dóra Rippelné Dr. Pethő

Course objectives:

To provide basic knowledge for process engineering.

Course content:

1. Process engineering, unit operation, flow diagrams, classification of the chemical processes 2. Component separation, tandem systems 3. Ab- and desorption processes, equipments 4. Distillation processes, equipments 5. Rectification, equipments 6. Exam 7. Crystallization, equipments 8. Extraction, equipments 9. Adsorption, ion exchange, equipments 10. Drying, equipments 11. Hydrodynamic and thermodynamic classification of reactors 12. Isotherm and adiabatic reactors 13. Catalytic reactors

Requirements, evaluation and grading:

The average of the two exams must be at least 2,0.

Required and recommended readings:

Textbooks provided by the department, Fonyó-Fábri: Vegyipari műveleti alapismeretek, Coulson & Richardson's Chemical Engineering I-III.