



COURSE DATASHEET

Semester:	2014/15/1
Course:	Membrane separation processes - practice in lab
Code:	VEMKBMB432M
Responsible department:	Research Institute on Bioengineering, Membrane Technology and Energetics
Department code:	MKBME
Responsible instructor:	dr. Béla Nándor Nemestóthy

Course objectives:

The aim of the measurements is to study membrane processes like MF UF NF and RO separation. Students are work individually or groups of 3-4.

Course content:

1. Ultrafiltration of protein mixture
2. OD MD process for water removal
3. Pervaporation of organic mixtures
4. RO filtration to ultrapure water producing

Requirements, evaluation and grading:

The accomplishment of the all measurements. Preparing a related report and a preceding test.

Required and recommended readings:

J. Mulder: Basic Principles of Membrane Technology Kluwer 1995

Bélafiné Bakó Katalin, Membrános műveletek, Veszprémi Egyetemi Kiadó, 2000