



SUBJECT DATASHEET

Semester:	2010/11/2
Subject:	Membrane processes - laboratory practice
Code:	VEMKBMB432M
Responsible department:	Research Institute on Bioengineering, Membrane Technology and Energetics
Responsible department code:	MKBM
Responsible lecturer:	dr. Katalin Bélafiné Bakó

Educational 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.

Detailed content of the subject:

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:

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

Required and suggested references:

J. Mulder: Basic Principles of Membrane Technology Kluwer 1995

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