



SUBJECT DATASHEET

Semester:	2010/11/2
Subject:	Down-stream processing
Code:	VEMKBMB312F
Responsible department:	Research Institute on Bioengineering, Membrane Technology and Energetics
Responsible department code:	MKBM
Responsible lecturer:	dr. Béla Nándor Nemestóthy

Educational objectives:

Study of the main downstream processes in fermentation technologies.

Detailed content of the subject:

1. Separation techniques in downstream processes
2. Recovery of cells, precipitation
3. Product concentration processes in fermentation technologies
4. Product cleaning processes in fermentation technologies

Requirements:

The lectures' materials.

Required and suggested references:

Vogel, H.C., Todaro, C.L.: Fermentation and biochemical engineering handbook. William Andrew Publishing, 1997. Prasad, N.K.: Downstream process technology: A new horizon in biotechnology. PHI Learning, 2010.