



# UNIVERSITY OF PANNONIA

## SUBJECT DATASHEET

<b>Semester:</b>	2009/10/2
<b>Subject:</b>	Enzyme technologies laboratory practice
<b>Code:</b>	VEMKBMB332E
<b>Responsible department:</b>	Research Institute on Bioengineering, Membrane Technology and Energetics
<b>Responsible department code:</b>	MKBM
<b>Responsible lecturer:</b>	Dr. László Gubicza

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### Educational objectives:

The aim of the is to study different enzymatic reactions, process: hydrolysis (pectin, starch) oxidation, and reaction in non conventional media. Students are work individually or groups of 3-4.

### Detailed content of the subject:

Lipase esterification I

Lipase exterification II

Starch hydrolysis glucoamylase,

HPLC Pectin hydrolysis (fruits)

Egg withes glucose elimination (GOD)

### Requirements:

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

### Required and suggested references:

Martin Chaplin and Christopher Bucke: Enzyme Technology, Cambridge University Press, 1990

<http://www.lsbu.ac.uk/biology/enztech/> Keleti Tamás: Enzimkinetika. Budapest, Tankönyvkiadó, 1985