



## SUBJECT DATASHEET

<b>Semester:</b>	2010/11/1
<b>Subject:</b>	Chemical engineering II.
<b>Code:</b>	VEMKMU4113M
<b>Responsible department:</b>	Department of Chemical Engineering Science
<b>Responsible department code:</b>	MKMU
<b>Responsible lecturer:</b>	dr. Géza Horváth

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### Educational objectives:

Overview of chemical plants and processes.

### Detailed content of the subject:

1. Chemical reactors 2. Flow Models 3. A selection of reactor types 4. Heat and mass transfer 5. Absorption 6. Rectification 7. Mid-term paper 8. Extraction and drying 9. Mechanical operations 10. Fluidization and sedimentation 11. Filtration 12. Mixing 13. Mechanical engineering 14. End-of-term paper 15. Regulation

### Requirements:

2 in-term papers.

### Required and suggested references:

Coulsen and Richardson, s Chemical Engineering Vol. 6. Pergamon Press, 1993.